PORTATONE

PSR-2000
PSR-1000

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YAMAHA

Voice List / Voice-Liste / Liste des voix / Lista de voces (PSR-2000/1000)

PSR-2000

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Piano & Harpsi	Grand Piano	-	0	112	0
	BrightPiano	-	0	112	1
	Harpsichord	-	0	112	6
	GrandHarpsi	-	0	113	6
	Honky Tonk	-	0	112	3
	Rock Piano	-	0	114	2
	Midi Grand	-	0	112	2
	CP 80	-	0	113	2
	Oct. Piano 1	-	0	113	3
	Oct. Piano 2	-	0	114	3
E.Piano	Galaxy EP	-	0	114	4
	Stage EP	-	0	117	4
	Polaris EP	-	0	115	4
	Jazz Chorus	-	0	118	5
	Hyper Tines	-	0	113	5
	E.Piano	-	0	119	4
	Phase EP	-	0	120	4
	New Tines	-	0	116	5
	Funk EP	-	0	112	4
	DX Modern	-	0	112	5
	Vintage EP	-	0	116	4
	Modern EP	-	0	115	5
	Tremolo EP	-	0	113	4
	Super DX	-	0	117	5
	Clavi	-	0	112	7
	Suitcase EP	-	0	118	4
	Venus EP	-	0	114	5
	Wah Clavi	-	0	113	7
Organ & Accordion	Rotor Organ	-	0	117	18
	Rock Organ1	-	0	112	18
	Dance Organ	-	0	113	17
	Gospel Org	-	0	119	16
	Purple Org	-	0	114	18
	Jazz Organ1	-	0	112	16
	Rock Organ2	-	0	113	18
	RotaryDrive	-	0	116	18
	Full Rocker	-	0	115	18
	Elec.Organ	-	0	118	17
	DrawbarOrg	-	0	115	16
	Click Organ	-	0	112	17
	Stadium Org	-	0	118	16
	Mellow Draw	-	0	115	17
	Jazz Organ2	-	0	113	16
	Bright Draw	-	0	116	16
	60's Organ	-	0	116	17
	Jazz Organ3	-	0	120	16
	TheatreOrg1	-	0	114	16
	TheatreOrg2	-	0	114	17
	Musette	-	0	112	21
	Tutti Accrd	-	0	113	21
	Small Accrd	-	0	115	21
	Accordion	-	0	116	21
	Tango Accrd	-	0	112	23
	Bandoneon	-	0	113	23
	Soft Accrd	-	0	114	21
	Modern Harp	-	0	113	22
	Blues Harp	-	0	114	22
	Harmonica	-	0	112	22
	Pipe Organ	-	0	112	19
	ChapelOrgn1	-	0	113	19
	ChapelOrgn2	-	0	114	19
	ChapelOrgn3	-	0	115	19
	Reed Organ	-	0	112	20
Percussion	Vibraphone	-	0	112	11
	Jazz Vibes	-	0	113	11
	Marimba	-	0	112	12
	Xylophone	-	0	112	13
	Steel Drums	-	0	112	114
	Celesta	-	0	112	8
	Glocken	-	0	112	9
	Music Box	-	0	112	10
	TubularBell	-	0	112	14
	Kalimba	-	0	112	108
	Dulcimer	-	0	112	15
	Timpani	-	0	112	47
	StandardKit1	Drums	127	0	0
	StandardKit2	Drums	127	0	1
	Hit Kit	Drums	127	0	4
	Room Kit	Drums	127	0	8
	Rock Kit	Drums	127	0	16
	Electro Kit	Drums	127	0	24
	Analog Kit	Drums	127	0	25
	Dance Kit	Drums	127	0	27

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Percussion	Jazz Kit	Drums	127	0	32
	Brush Kit	Drums	127	0	40
	Symphony Kit	Drums	127	0	48
	Arabic Kit	SFX Kit	126	0	35
	SFX Kit 1	SFX Kit	126	0	0
	SFX Kit 2	SFX Kit	126	0	1
	Sty Std.Kit	Drums	127	0	80
	Sty BrushKit	Drums	127	0	82
Guitar	Nylon Guitar	-	0	115	24
	Elec. Gtr	Cool!	0	114	28
	12StrGuitar	-	0	113	25
	SolidGuitar	-	0	118	27
	Vintage Amp	-	0	115	29
	PedalSteel	-	0	125	27
	Crunch Gtr	-	0	113	30
	Funk Guitar	-	0	113	28
	60's Clean	-	0	117	27
	VintageOpen	-	0	123	27
	Folk Guitar	-	0	112	25
	Solid Chord	-	0	121	27
	VintageMute	-	0	115	28
	Lead Guitar	-	0	114	29
	Chorus Gtr	-	0	124	27
	VintageTrem	-	0	120	27
	Spanish Gtr	-	0	113	24
	Octave Gtr	-	0	113	26
	Deep Chorus	-	0	114	27
	CampfireGtr	-	0	115	25
	SmoothNylon	-	0	114	24
	Tremolo Gtr	-	0	113	27
	HawaiianGtr	-	0	114	26
	Heavy Stack	-	0	114	30
	BrightClean	-	0	116	27
	Wah Guitar	-	0	122	27
	Classic Gtr	-	0	112	24
	Distortion	-	0	112	30
	Elec.12Str	-	0	119	27
	FeedbackGtr	-	0	113	29
	Mandolin	-	0	114	25
	CleanGuitar	-	0	112	27
	MutedGuitar	-	0	112	28
	Jazz Guitar	-	0	112	26
	Overdrive	-	0	112	29
	FolkGw_pick1	-	0	116	25
	FolkGw_pick2	-	0	117	25
	FolkGw_pick3	-	0	118	25
Bass	Finger Bass	-	0	112	33
	UprightBass	-	0	113	32
	Pick Bass	-	0	112	34
	SuperFretles	-	0	113	35
	Slap Bass	-	0	112	36
	Analog Bass	-	0	112	39
	DrySynBass	-	0	116	39
	Touch Bass	-	0	115	39
	Hi Q Bass	-	0	113	38
	Funk Bass	-	0	112	37
	Aco.Bass	-	0	112	32
	Fretless	-	0	112	35
	Bass&Cymbal	-	0	114	32
	Fusion Bass	-	0	113	36
	Rave Bass	-	0	114	38
	Dance Bass	-	0	113	39
	Synth Bass	-	0	112	38
	Snap Bass	-	0	114	39
	Click Bass	-	0	115	38
Brass	Trumpet	Sweet!	0	115	56
	Trombone	Sweet!	0	117	57
	Muted Trump	-	0	112	59
	Flugel Horn	-	0	113	56
	SoftTrumpet	-	0	114	56
	BrassSection	-	0	112	61
	MellowBrass	-	0	116	61
	Big Brass	-	0	121	61
	Pop Brass	-	0	118	61
	Brass Combo	-	0	115	66
	SoloTrumpet	-	0	112	56
	Solo Tromb	-	0	112	57
	JazzTrumpet	-	0	116	56
	French Horn	-	0	112	60
	Air Trumpet	-	0	117	56
	Sforzando	-	0	125	61
	BrightBrass	-	0	120	61
	Soft Brass	-	0	123	61

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Brass	Full Horns	-	0	114	61
	High Brass	-	0	115	61
	Trumpet Ens	-	0	122	61
	Trombone	-	0	116	57
	Soft Tromb	-	0	115	57
	MellowTromb	-	0	114	57
	SmoothTromb	-	0	118	57
	MellowHorns	-	0	119	61
	BallroomBrs	-	0	113	59
	Trb.Section	-	0	113	57
	Small Brass	-	0	117	61
	Brass Hit	-	0	126	61
	BigBandBrs	-	0	113	61
	Step Brass	-	0	124	61
	Ober Brass	-	0	113	63
	Analog Brs	-	0	112	63
	Soft Analog	-	0	114	63
	FunkyAnalog	-	0	115	62
	TechnoBrass	-	0	114	62
	Synth Brass	-	0	112	62
	80's Brass	-	0	113	62
	Tuba	-	0	112	58
Woodwind	Tenor Sax	Sweet!	0	117	66
	Alto Sax	Sweet!	0	114	65
	Soprano Sax	Sweet!	0	113	64
	Clarinet	Sweet!	0	114	71
	Growl Sax	-	0	118	66
	Flute	Sweet!	0	114	73
	Pan Flute	Sweet!	0	113	75
	Oboe	-	0	112	68
	EnglishHorn	-	0	112	69
	BaritoneSax	-	0	112	67
	BreathTenor	-	0	114	66
	BreathyAlto	-	0	113	65
	Soprano Sax	-	0	112	64
	Clarinet	-	0	112	71
	Bassoon	-	0	112	70
	Class.Flute	-	0	115	73
	Pan Flute	-	0	113	73
	Piccolo	-	0	112	72
	EthnicFlute	-	0	112	75
	Rock Bari	-	0	113	67
	Tenor Sax	-	0	112	66
	Alto Sax	-	0	112	65
	MelClarinet	-	0	113	71
	Flute	-	0	112	73
	Shakuhachi	-	0	112	77
	Whistle	-	0	112	78
	Recorder	-	0	112	74
	Ocarina	-	0	112	79
	WoodwindEns	-	0	113	66
	Sax Section	-	0	116	66
	Bagpipe	-	0	112	109
Strings	Strings	Live!	0	117	49
	Allegro	Live!	0	122	49
	Orchestra	Live!	0	116	49
	Symphon.Str	-	0	114	48
	Strings	-	0	112	48
	OrchStrings	-	0	113	48
	Orch. Brass	-	0	118	49
	Orch. Flute	-	0	119	49
	Orch. Fl.Br	-	0	120	49
	Orch. Oboe	-	0	121	49
	Solo Violin	-	0	112	40
	Soft Violin	-	0	113	40
	Fiddle	-	0	112	110
	Viola	-	0	112	41
	Cello	-	0	112	42
	Contrabass	-	0	112	43
	ChamberStrs	-	0	112	49
	Str.Quartet	-	0	114	49
	ConcertoStr	-	0	115	48
	Bow Strings	-	0	116	48
	MarcatoStrs	-	0	115	49
	SlowStrings	-	0	113	49
	TremoloStrs	-	0	112	44
	PizzStrings	-	0	112	45
	Analog Strs	-	0	112	51
	Syn Strings	-	0	112	50
	TechStrings	-	0	113	50
	Harp	-	0	112	46
	Hackbrett	-	0	113	46

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Strings	Banjo	-	0	112	105
	Sitar	-	0	112	104
	Koto	-	0	112	107
	Shamisen	-	0	112	106
	Orch.Hit	-	0	112	55
Choir & Pad	Hah Choir	-	0	114	52
	Gothic Vox	-	0	113	53
	Vocal Ensbl	-	0	113	52
	Vox Humana	-	0	112	53
	Choir	-	0	112	52
	Air Choir	-	0	112	54
	SweetHeaven	-	0	118	88
	DreamHeaven	-	0	121	88
	Cyber Pad	-	0	113	99
	Fantasia	-	0	112	88
	Voices	-	0	113	54
	Insomnia	-	0	113	94
	Wave 2001	-	0	112	95
	Neo WarmPad	-	0	115	89
	Atmosphere	-	0	112	99
	Xenon Pad	-	0	112	91
	Skydiver	-	0	112	101
	Far East	-	0	112	97
	Template	-	0	114	95
	Equinox	-	0	112	94
	Glass Pad	-	0	114	93
	DX Pad	-	0	112	92
	Symbiont	-	0	113	88
	Stargate	-	0	114	88
	Area 51	-	0	112	89
	Dark Moon	-	0	113	89
	Ionosphere	-	0	115	94
	Golden Age	-	0	115	88
	Solaris	-	0	114	94
	Time Travel	-	0	116	88
	Millennium	-	0	117	88
	Transform	-	0	113	95
	Dunes	-	0	114	89
Synthesizer	Oxygen	-	0	122	81
	Matrix	-	0	123	81
	Wire Lead	-	0	120	81
	Hip Lead	-	0	113	80
	Hop Lead	-	0	117	80
	Square Lead	-	0	112	80
	Saw.Lead	-	0	112	81
	Fire Wire	-	0	116	81
	Analogon	-	0	115	81
	Funky Lead	-	0	121	81
	Paraglide	-	0	114	84
	Robolead	-	0	124	81
	Fargo	-	0	119	81
	Portatone	-	0	112	84
	Blaster	-	0	114	81
	Big Lead	-	0	113	81
	Warp	-	0	117	81
	Adrenaline	-	0	113	84
	Synchronize	-	0	112	96
	Tiny Lead	-	0	118	80
	Stardust	-	0	112	98
	Aero Lead	-	0	112	83
	Mini Lead	-	0	114	80
	Synth Flute	-	0	119	80
	Sub Aqua	-	0	118	81
	Impact	-	0	113	87
	Sun Bell	-	0	113	98
	Under Heim	-	0	112	87
	Rhythmatic	-	0	113	96
	Hi Bias	-	0	116	80
	Vinylead	-	0	115	80
	Skyline	-	0	115	84
	Clockwork	-	0	114	96
Organ Flutes	Jazz Draw!	Organ Flutes!	0	126	16
	BluesOrgan!	Organ Flutes!	0	126	16
	SixteenOne!	Organ Flutes!	0	126	16
	Even Bars!	Organ Flutes!	0	126	16
	Pop Organ!	Organ Flutes!	0	126	16
	RockingOrg!	Organ Flutes!	0	126	16
	Percussive!	Organ Flutes!	0	126	16
	GospelOrg!	Organ Flutes!	0	126	16
	Pad Organ!	Organ Flutes!	0	126	16
	Full Ranks!	Organ Flutes!	0	126	16

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Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Piano & Harpsi	Grand Piano	-	0	112	0
	BrightPiano	-	0	112	1
	Harpsichord	-	0	112	6
	GrandHarpsi	-	0	113	6
	Honky Tonk	-	0	112	3
	Rock Piano	-	0	114	2
	Midi Grand	-	0	112	2
	CP 80	-	0	113	2
	Oct. Piano 1	-	0	113	3
	Oct. Piano 2	-	0	114	3
E.Piano	Galaxy EP	-	0	114	4
	Polaris EP	-	0	115	4
	Hyper Tines	-	0	113	5
	New Tines	-	0	116	5
	Funk EP	-	0	112	4
	DX Modern	-	0	112	5
	Modern EP	-	0	115	5
	Tremolo EP	-	0	113	4
	Super DX	-	0	117	5
	Clavi	-	0	112	7
	Suitcase EP	-	0	118	4
	Venus EP	-	0	114	5
	Wah Clavi	-	0	113	7
Organ & Accordion	Rock Organ1	-	0	112	18
	Dance Organ	-	0	113	17
	Gospel Org	-	0	119	16
	Purple Org	-	0	114	18
	Jazz Organ1	-	0	112	16
	Rock Organ2	-	0	113	18
	Elec.Organ	-	0	118	17
	DrawbarOrg	-	0	115	16
	Click Organ	-	0	112	17
	Mellow Draw	-	0	115	17
	Jazz Organ2	-	0	113	16
	Bright Draw	-	0	116	16
	60's Organ	-	0	116	17
	Jazz Organ3	-	0	120	16
	Blues Organ	-	0	117	17
	16+1 Organ	-	0	121	16
	16+2 Organ	-	0	122	16
	16+4 Organ	-	0	123	16
	TheatreOrg1	-	0	114	16
	TheatreOrg2	-	0	114	17
	Musette	-	0	112	21
	Tutti Accrd	-	0	113	21
	Accordion	-	0	115	21
	Tango Accrd	-	0	112	23
	Bandoneon	-	0	113	23
	Soft Accrd	-	0	114	21
	Pipe Organ	-	0	112	19
	ChapelOrgn1	-	0	113	19
	ChapelOrgn2	-	0	114	19
	ChapelOrgn3	-	0	115	19
	Blues Harp	-	0	114	22
	Harmonica	-	0	112	22
	Reed Organ	-	0	112	20
Percussion	Vibraphone	-	0	112	11
	Jazz Vibes	-	0	113	11
	Marimba	-	0	112	12
	Xylophone	-	0	112	13
	Steel Drums	-	0	112	114
	Celesta	-	0	112	8

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Percussion	Glocken	-	0	112	9
	Music Box	-	0	112	10
	TubularBell	-	0	112	14
	Kalimba	-	0	112	108
	Dulcimer	-	0	112	15
	Timpani	-	0	112	47
	StandardKit1	Drums	127	0	0
	StandardKit2	Drums	127	0	1
	Room Kit	Drums	127	0	8
	Rock Kit	Drums	127	0	16
	Electro Kit	Drums	127	0	24
	Analog Kit	Drums	127	0	25
	Dance Kit	Drums	127	0	27
	Jazz Kit	Drums	127	0	32
	Brush Kit	Drums	127	0	40
	Symphony Kit	Drums	127	0	48
	Sty Std.Kit	Drums	127	0	80
	Sty BrushKit	Drums	127	0	82
	Arabic Kit	SFX Kit	126	0	35
	SFX Kit 1	SFX Kit	126	0	0
	SFX Kit 2	SFX Kit	126	0	1
Guitar	Spanish Gtr	-	0	113	24
	Elec. Gtr	Cool!	0	114	28
	12StrGuitar	-	0	113	25
	SolidGuitar	-	0	118	27
	Vintage Amp	-	0	115	29
	PedalSteel	-	0	125	27
	FeedbackGtr	-	0	113	29
	Funk Guitar	-	0	113	28
	VintageOpen	-	0	123	27
	VintageMute	-	0	115	28
	Folk Guitar	-	0	112	25
	Chorus Gtr	-	0	124	27
	VintageTrem	-	0	120	27
	Octave Gtr	-	0	113	26
	Deep Chorus	-	0	114	27
	CampfireGtr	-	0	115	25
	SmoothNylon	-	0	114	24
	Tremolo Gtr	-	0	113	27
	HawaiianGtr	-	0	114	26
	BrightClean	-	0	116	27
	Wah Guitar	-	0	122	27
	Classic Gtr	-	0	112	24
	Distortion	-	0	112	30
	Elec.12Str	-	0	119	27
	Mandolin	-	0	114	25
	CleanGuitar	-	0	112	27
	MutedGuitar	-	0	112	28
	FolkGw_pick1	-	0	116	25
	FolkGw_pick2	-	0	117	25
	FolkGw_pick3	-	0	118	25
	Jazz Guitar	-	0	112	26
	Overdrive	-	0	112	29
Bass	Finger Bass	-	0	112	33
	Pick Bass	-	0	112	34
	SuperFretles	-	0	113	35
	Slap Bass	-	0	112	36
	Analog Bass	-	0	112	39
	Hi Q Bass	-	0	113	38
	Funk Bass	-	0	112	37
	Aco.Bass	-	0	112	32
	Fretless	-	0	112	35

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Bass	Bass&Cymbal	-	0	114	32
	Fusion Bass	-	0	113	36
	Rave Bass	-	0	114	38
	Dance Bass	-	0	113	39
	Synth Bass	-	0	112	38
Brass	Trumpet	Sweet!	0	115	56
	Trombone	-	0	112	57
	Muted Trump	-	0	112	59
	Flugel Horn	-	0	113	56
	SoftTrumpet	-	0	114	56
	BrassSection	-	0	112	61
	MellowBrass	-	0	116	61
	BigBandBrs	-	0	113	61
	Pop Brass	-	0	118	61
	Brass Combo	-	0	115	66
	SoloTrumpet	-	0	112	56
	MellowTromb	-	0	114	57
	Trb.Section	-	0	113	57
	French Horn	-	0	112	60
	MellowHorns	-	0	119	61
	BrightBrass	-	0	120	61
	Full Horns	-	0	114	61
	High Brass	-	0	115	61
	BallroomBrs	-	0	113	59
	Small Brass	-	0	117	61
	80's Brass	-	0	113	62
	Analog Brs	-	0	112	63
	TechnoBrass	-	0	114	62
	Synth Brass	-	0	112	62
	Brass Hit	-	0	126	61
	Tuba	-	0	112	58
Woodwind	Tenor Sax	Sweet!	0	117	66
	BreathyAlto	-	0	113	65
	Soprano Sax	-	0	112	64
	Clarinet	-	0	112	71
	Tenor Sax	-	0	112	66
	Flute	Sweet!	0	114	73
	Pan Flute	-	0	113	73
	Oboe	-	0	112	68
	EnglishHorn	-	0	112	69
	BaritoneSax	-	0	112	67
	BreathTenor	-	0	114	66
	Alto Sax	-	0	112	65
	MelClarinet	-	0	113	71
	Bassoon	-	0	112	70
	Class.Flute	-	0	115	73
	Piccolo	-	0	112	72
	EthnicFlute	-	0	112	75
	Flute	-	0	112	73
	Shakuhachi	-	0	112	77
	Whistle	-	0	112	78
	Recorder	-	0	112	74
	Ocarina	-	0	112	79
	WoodwindEns	-	0	113	66
	Sax Section	-	0	116	66
	Bagpipe	-	0	112	109
Strings	OrchStrings	-	0	113	48
	Symphon.Str	-	0	114	48
	Strings	-	0	112	48
	SlowStrings	-	0	113	49
	ChamberStrs	-	0	112	49
	Syn Strings	-	0	112	50

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Strings	ConcertoStr	-	0	115	48
	Orch. Brass	-	0	118	49
	Orch. Flute	-	0	119	49
	Orch. Oboe	-	0	121	49
	Solo Violin	-	0	112	40
	Soft Violin	-	0	113	40
	Fiddle	-	0	112	110
	Viola	-	0	112	41
	Cello	-	0	112	42
	Contrabass	-	0	112	43
	Str.Quartet	-	0	114	49
	Bow Strings	-	0	116	48
	MarcatoStrs	-	0	115	49
	TremoloStrs	-	0	112	44
	PizzStrings	-	0	112	45
	Analog Strs	-	0	112	51
	TechStrings	-	0	113	50
	Harp	-	0	112	46
	Hackbrett	-	0	113	46
	Banjo	-	0	112	105
	Sitar	-	0	112	104
	Koto	-	0	112	107
	Shamisen	-	0	112	106
	Orch.Hit	-	0	112	55
Choir & Pad	Gothic Vox	-	0	113	53
	Vocal Ensbl	-	0	113	52
	Vox Humana	-	0	112	53
	Choir	-	0	112	52
	Air Choir	-	0	112	54
	Cyber Pad	-	0	113	99
	Fantasia	-	0	112	88
	Insomnia	-	0	113	94
	Wave 2001	-	0	112	95
	Atmosphere	-	0	112	99
	Xenon Pad	-	0	112	91
	Equinox	-	0	112	94
	DX Pad	-	0	112	92
	Symbiont	-	0	113	88
	Stargate	-	0	114	88
	Area 51	-	0	112	89
	Dark Moon	-	0	113	89
	Ionosphere	-	0	115	94
	Golden Age	-	0	115	88
	Solaris	-	0	114	94
	Millennium	-	0	117	88
	Transform	-	0	113	95
Synthesizer	Square Lead	-	0	112	80
	Saw.Lead	-	0	112	81
	Fire Wire	-	0	116	81
	Analogon	-	0	115	81
	Fargo	-	0	119	81
	Blaster	-	0	114	81
	Big Lead	-	0	113	81
	Warp	-	0	117	81
	Tiny Lead	-	0	118	80
	Stardust	-	0	112	98
	Aero Lead	-	0	112	83
	Mini Lead	-	0	114	80
	Sub Aqua	-	0	118	81
	Sun Bell	-	0	113	98
	Hi Bias	-	0	116	80
	Vinylead	-	0	115	80

XG (PSR-2000/1000)

Category	Voice Type	Bank Select		MIDI Program Number
		MSB	LSB	
PIANO	Grand Piano	0	0	0
	GrndPianoKSP	0	1	0
	MellowGrPno	0	18	0
	PianoStrings	0	40	0
	Dream	0	41	0
	Bright Piano	0	0	1
	BritePnoKSP	0	1	1
	ElecGrandPno	0	0	2
	ElecGrPnoKSP	0	1	2
	Detuned CP80	0	32	2
	Layered CP 1	0	40	2
	Layered CP 2	0	41	2
	Honkytonk	0	0	3
	HonkytonkKSP	0	1	3
	El.Piano 1	0	0	4
	El.Piano1KSP	0	1	4
	Mellow EP 1	0	18	4
	Chorus EP 1	0	32	4
	HardEl.Piano	0	40	4
	VXfade El.P1	0	45	4
	60sEl.Piano1	0	64	4
	El.Piano 2	0	0	5
	El.Piano2KSP	0	1	5
	Chorus EP 2	0	32	5
	DX EP Hard	0	33	5
	DX Legend	0	34	5
	DX Phase EP	0	40	5
	DX+AnalogEP	0	41	5
	DX Koto EP	0	42	5
	VXfade El.P2	0	45	5
	Harpsichord	0	0	6
	Harpsi.KSP	0	1	6
	Harpsichord2	0	25	6
	Harpsichord3	0	35	6
	Clavi.	0	0	7
	Clavi.KSP	0	1	7
	Clavi.Wah	0	27	7
	Pulse Clavi.	0	64	7
	PierceClavi.	0	65	7
CHROMATIC PERC	Celesta	0	0	8
	Glockenspiel	0	0	9
	Music Box	0	0	10
	Orgel	0	64	10
	Vibraphone	0	0	11
	Vibes KSP	0	1	11
	Hard Vibes	0	45	11
	Marimba	0	0	12
	Marimba KSP	0	1	12
	Sine Marimba	0	64	12
	Balimba	0	97	12
	Log Drums	0	98	12
	Xylophone	0	0	13
	TubularBells	0	0	14
	Church Bells	0	96	14
	Carillon	0	97	14
	Dulcimer	0	0	15
	Dulcimer 2	0	35	15
	Cimbalom	0	96	15
	Santur	0	97	15
ORGAN	DrawbarOrgan	0	0	16
	DetDrawOrgan	0	32	16
	60sDrawOrg1	0	33	16
	60sDrawOrg2	0	34	16
	70sDrawOrg1	0	35	16
	DrawbarOrg2	0	36	16
	60sDrawOrg3	0	37	16
	Even Bar Org	0	38	16
	16+2'2_3 Org	0	40	16
	Organ Bass	0	64	16
	70sDrawOrg2	0	65	16
	Cheezy Organ	0	66	16
	DrawbarOrg3	0	67	16
	Perc.Organ	0	0	17
	70sPercOrg1	0	24	17
	DetPercOrgan	0	32	17
	Light Organ	0	33	17
	Perc.Organ2	0	37	17
	Rock Organ	0	0	18
	Rotary Organ	0	64	18
	Slow Rotary	0	65	18

Category	Voice Type	Bank Select		MIDI Program Number
		MSB	LSB	
ORGAN	Fast Rotary	0	66	18
	Church Organ	0	0	19
	ChurchOrgan3	0	32	19
	ChurchOrgan2	0	35	19
	Notre Dame	0	40	19
	Organ Flute	0	64	19
	Trem.OrganFl	0	65	19
	Reed Organ	0	0	20
	Puff Organ	0	40	20
	Accordion	0	0	21
	Accord It	0	32	21
	Harmonica	0	0	22
	Harmonica 2	0	32	22
	Tango Accord	0	0	23
	TangoAccord2	0	64	23
GUITAR	Nylon Guitar	0	0	24
	NylonGuitar2	0	16	24
	NylonGuitar3	0	25	24
	VelGtrHarmo	0	43	24
	Ukulele	0	96	24
	Steel Guitar	0	0	25
	SteelGuitar2	0	16	25
	12Str Guitar	0	35	25
	Nylon&Steel	0	40	25
	Steel&Body	0	41	25
	Mandolin	0	96	25
	Jazz Guitar	0	0	26
	MellowGuitar	0	18	26
	Jazz Amp	0	32	26
	Clean Guitar	0	0	27
	ChorusGuitar	0	32	27
	Muted Guitar	0	0	28
	FunkGuitar1	0	40	28
	MuteSteelGtr	0	41	28
	FunkGuitar2	0	43	28
	Jazz Man	0	45	28
	Overdriven	0	0	29
	Guitar Pinch	0	43	29
	Distortion	0	0	30
	FeedbackGtr	0	40	30
	FeedbackGtr2	0	41	30
	GtrHarmonics	0	0	31
	GtrFeedback	0	65	31
	GtrHarmonic2	0	66	31
BASS	AcousticBass	0	0	32
	Jazz Rhythm	0	40	32
	VXUprghtBass	0	45	32
	Finger Bass	0	0	33
	Finger Dark	0	18	33
	Flange Bass	0	27	33
	Bass&DistEG	0	40	33
	Finger Slap	0	43	33
	FingerBass2	0	45	33
	Mod.Bass	0	65	33
	Pick Bass	0	0	34
	MutePickBass	0	28	34
	FretlessBass	0	0	35
	Fretless 2	0	32	35
	Fretless 3	0	33	35
	Fretless 4	0	34	35
	Syn.Fretless	0	96	35
	SmthFretless	0	97	35
	Slap Bass 1	0	0	36
	ResonantSlap	0	27	36
	Punch Thumb	0	32	36
	Slap Bass 2	0	0	37
	Velo.Sw.Slap	0	43	37
	Synth Bass 1	0	0	38
	SynBass1Dark	0	18	38
	FastResoBass	0	20	38
	Acid Bass	0	24	38
	Clavi Bass	0	35	38
	Techno Bass	0	40	38
	Orbiter	0	64	38
	Square Bass	0	65	38
	Rubber Bass	0	66	38
	Hammer	0	96	38
	Synth Bass 2	0	0	39
	MellowSyBass	0	6	39
	SequenceBass	0	12	39

Category	Voice Type	Bank Select		MIDI Program Number
		MSB	LSB	
BASS	ClickSynBass	0	18	39
	SynBass2Dark	0	19	39
	SmoothSyBass	0	32	39
	ModulrSyBass	0	40	39
	DX Bass	0	41	39
	X Wire Bass	0	64	39
STRINGS	Violin	0	0	40
	SlwAtkViolin	0	8	40
	Viola	0	0	41
	Cello	0	0	42
	Contrabass	0	0	43
	Trem.Strings	0	0	44
	SlwAtTremStr	0	8	44
	SuspenseStr	0	40	44
	PizzicatoStr	0	0	45
	Orch.Harp	0	0	46
	Yang Chin	0	40	46
	Timpani	0	0	47
ENSEMBLE	Strings 1	0	0	48
	StereoStrngs	0	3	48
	SlwAtkStrngs	0	8	48
	Arco Strings	0	24	48
	60's Strings	0	35	48
	Orchestra	0	40	48
	Orchestra 2	0	41	48
	TremOrchstra	0	42	48
	Velo.Strings	0	45	48
	Strings 2	0	0	49
	S.SlowStrngs	0	3	49
	LegatoStrngs	0	8	49
	Warm Strings	0	40	49
	Kingdom	0	41	49
	70's Strings	0	64	49
	Strings 3	0	65	49
	SynStrings1	0	0	50
	Reso Strings	0	27	50
	SynStrings4	0	64	50
	SynStrings5	0	65	50
	SynStrings2	0	0	51
	Choir Aahs	0	0	52
	Stereo Choir	0	3	52
	Choir Aahs 2	0	16	52
	Mellow Choir	0	32	52
	ChoirStrings	0	40	52
	Voice Oohs	0	0	53
	Synth Voice	0	0	54
	SynthVoice2	0	40	54
	Choral	0	41	54
	Analog Voice	0	64	54
	OrchestraHit	0	0	55
	OrchestrHit2	0	35	55
	Impact	0	64	55
BRASS	Trumpet	0	0	56
	Trumpet 2	0	16	56
	BriteTrumpet	0	17	56
	Warm Trumpet	0	32	56
	Trombone	0	0	57
	Trombone 2	0	18	57
	Tuba	0	0	58
	Tuba 2	0	16	58
	MutedTrumpet	0	0	59
	French Horn	0	0	60
	Fr.Horn Solo	0	6	60
	FrenchHorn2	0	32	60
	HornOrchestr	0	37	60
	BrassSection	0	0	61
	Tp&TbSection	0	35	61
	BrassSect2	0	40	61
	High Brass	0	41	61
	Mellow Brass	0	42	61
	SynthBrass1	0	0	62
	Quack Brass	0	12	62
	ResoSynBrass	0	20	62
	Poly Brass	0	24	62
	SynthBrass3	0	27	62
	Jump Brass	0	32	62
	AnaVelBrass1	0	45	62
	AnalogBrass1	0	64	62
	SynthBrass2	0	0	63
	Soft Brass	0	18	63

Category	Voice Type	Bank Select		MIDI Program Number
		MSB	LSB	
BRASS	SynthBrass4	0	40	63
	Choir Brass	0	41	63
	AnaVelBrass2	0	45	63
	AnalogBrass2	0	64	63
REED	Soprano Sax	0	0	64
	Alto Sax	0	0	65
	Sax Section	0	40	65
	HyperAltoSax	0	43	65
	Tenor Sax	0	0	66
	BreathyTenor	0	40	66
	SoftTenorSax	0	41	66
	Tenor Sax2	0	64	66
	Baritone Sax	0	0	67
	Oboe	0	0	68
	English Horn	0	0	69
	Bassoon	0	0	70
	Clarinet	0	0	71
PIPE	Piccolo	0	0	72
	Flute	0	0	73
	Recorder	0	0	74
	Pan Flute	0	0	75
	Blown Bottle	0	0	76
	Shakuhachi	0	0	77
	Whistle	0	0	78
	Ocarina	0	0	79
SYNTH LEAD	Square Lead	0	0	80
	SquareLead2	0	6	80
	LM Square	0	8	80
	Hollow	0	18	80
	Shroud	0	19	80
	Mellow	0	64	80
	Solo Sine	0	65	80
	Sine Lead	0	66	80
	SawtoothLead	0	0	81
	SawtoothLd2	0	6	81
	Thick Saw	0	8	81
	Dynamic Saw	0	18	81
	Digital Saw	0	19	81
	Big Lead	0	20	81
	Heavy Synth	0	24	81
	Waspy Synth	0	25	81
	Pulse Saw	0	40	81
	Dr. Lead	0	41	81
	VelocityLead	0	45	81
	Seq.Analog	0	96	81
	CalliopeLead	0	0	82
	Pure Pad	0	65	82
	Chiff Lead	0	0	83
	Rubby	0	64	83
	Charang Lead	0	0	84
	DistortedLd	0	64	84
	Wire Lead	0	65	84
	Voice Lead	0	0	85
	Synth Aahs	0	24	85
	Vox Lead	0	64	85
	Fifths Lead	0	0	86
	Big Five	0	35	86
	Bass & Lead	0	0	87
	Big & Low	0	16	87
	Fat & Perky	0	64	87
	Soft Whirl	0	65	87
SYNTH PAD	New Age Pad	0	0	88
	Fantasy	0	64	88
	Warm Pad	0	0	89
	Thick Pad	0	16	89
	Soft Pad	0	17	89
	Sine Pad	0	18	89
	Horn Pad	0	64	89
	RotaryStrngs	0	65	89
	PolySynthPad	0	0	90
	Poly Pad 80	0	64	90
	Click Pad	0	65	90
	Analog Pad	0	66	90
	Square Pad	0	67	90
	Choir Pad	0	0	91
	Heaven	0	64	91
	Itopia	0	66	91
	CC Pad	0	67	91
	Bowed Pad	0	0	92
	Glacier	0	64	92

Category	Voice Type	Bank Select		MIDI Program Number
		MSB	LSB	
SYNTH PAD	Glass Pad	0	65	92
	Metallic Pad	0	0	93
	Tine Pad	0	64	93
	Pan Pad	0	65	93
	Halo Pad	0	0	94
	Sweep Pad	0	0	95
	Shwimmer	0	20	95
	Converge	0	27	95
	Polar Pad	0	64	95
	Celestial	0	66	95
SYNTH EFFECTS	Rain	0	0	96
	Clavi Pad	0	45	96
	Harmo Rain	0	64	96
	African Wind	0	65	96
	Carib	0	66	96
	Sound Track	0	0	97
	Prologue	0	27	97
	Ancestral	0	64	97
	Crystal	0	0	98
	SynthDr.Comp	0	12	98
	Popcorn	0	14	98
	Tiny Bells	0	18	98
	RoundGlocken	0	35	98
	GlockenChime	0	40	98
	Clear Bells	0	41	98
	Chorus Bells	0	42	98
	Synth Mallet	0	64	98
	Soft Crystal	0	65	98
	Loud Glocken	0	66	98
	ChristmasBel	0	67	98
	Vibe Bells	0	68	98
	DigitalBells	0	69	98
	Air Bells	0	70	98
	Bell Harp	0	71	98
	Gamelimba	0	72	98
	Atmosphere	0	0	99
	Warm Atmos.	0	18	99
	HollwRelease	0	19	99
	NylonElPiano	0	40	99
	Nylon Harp	0	64	99
	Harp Vox	0	65	99
	Atmos.Pad	0	66	99
	Planet	0	67	99
	Brightness	0	0	100
	FantasyBells	0	64	100
	Smokey	0	96	100
	Goblins	0	0	101
	GoblinsSynth	0	64	101
	Creeper	0	65	101
	Ring Pad	0	66	101
	Ritual	0	67	101
	To Heaven	0	68	101
	Night	0	70	101
	Glisten	0	71	101
	Bell Choir	0	96	101
	Echoes	0	0	102
	Echoes2	0	8	102
	Echo Pan	0	14	102
	Echo Bells	0	64	102
	Big Pan	0	65	102
	Synth Piano	0	66	102
	Creation	0	67	102
	Star Dust	0	68	102
	Reso&Panning	0	69	102
	Sci-Fi	0	0	103
	Starz	0	64	103
ETHNIC	Sitar	0	0	104
	DetunedSitar	0	32	104
	Sitar 2	0	35	104
	Tambra	0	96	104
	Tamboura	0	97	104
	Banjo	0	0	105
	Muted Banjo	0	28	105
	Rabab	0	96	105
	Gopichant	0	97	105
	Oud	0	98	105
	Shamisen	0	0	106
	Koto	0	0	107
	Taisho-kin	0	96	107
	Kanoon	0	97	107

Category	Voice Type	Bank Select		MIDI Program Number
		MSB	LSB	
ETHNIC	Kalimba	0	0	108
	Bagpipe	0	0	109
	Fiddle	0	0	110
	Shanai	0	0	111
	Shanai2	0	64	111
	Pungi	0	96	111
	Hichiriki	0	97	111
PERCUSSIVE	Tinkle Bell	0	0	112
	Bonang	0	96	112
	Altair	0	97	112
	GamelanGongs	0	98	112
	StereoGamlan	0	99	112
	Rama Cymbal	0	100	112
	Asian Bells	0	101	112
	Agogo	0	0	113
	Steel Drums	0	0	114
	Glass Perc.	0	97	114
	Thai Bells	0	98	114
	Woodblock	0	0	115
	Castanets	0	96	115
	Taiko Drum	0	0	116
	Gran Cassa	0	96	116
	Melodic Tom	0	0	117
	MelodicTom2	0	64	117
	Real Tom	0	65	117
	Rock Tom	0	66	117
	Synth Drum	0	0	118
	Analog Tom	0	64	118
	ElectroPerc.	0	65	118
	Rev.Cymbal	0	0	119
SOUND EFFECTS	GtrFretNoise	0	0	120
	Breath Noise	0	0	121
	Seashore	0	0	122
	Bird Tweet	0	0	123
	TelephonRing	0	0	124
	Helicopter	0	0	125
	Applause	0	0	126
	Gunshot	0	0	127
SFX	CuttingNoise	64	0	0
	CuttingNoiz2	64	0	1
	String Slap	64	0	3
	Fl.Key Click	64	0	16
	Shower	64	0	32
	Thunder	64	0	33
	Wind	64	0	34
	Stream	64	0	35
	Bubble	64	0	36
	Feed	64	0	37
	Dog	64	0	48
	Horse	64	0	49
	Bird Tweet 2	64	0	50
	Ghost	64	0	54
	Maou	64	0	55
	Phone Call	64	0	64
	Door Squeak	64	0	65
	Door Slam	64	0	66
	Scratch Cut	64	0	67
	ScratchSplit	64	0	68
	Wind Chime	64	0	69
	TelphonRing2	64	0	70
	CarEngineIgn	64	0	80
	CarTiresSqel	64	0	81
	Car Passing	64	0	82
	Car Crash	64	0	83
	Siren	64	0	84
	Train	64	0	85
	Jet Plane	64	0	86
	Starship	64	0	87
	Burst	64	0	88
	RollrCoaster	64	0	89
	Submarine	64	0	90
	Laugh	64	0	96
	Scream	64	0	97
	Punch	64	0	98
	Heartbeat	64	0	99
	FootSteps	64	0	100
	Machine Gun	64	0	112
	Laser Gun	64	0	113
	Explosion	64	0	114
	Firework	64	0	115

Drum/key Assignment List
Liste der Tastenzuordnungen der Schlaginstrumente
Liste d'assignation instrument de batterie/touche du clavier
Lista de asignación de teclas/batería (PSR-2000/1000)

Bank Select MSB (0-127)					127	127	127	127	127	127	127	127
Bank Select LSB (0-127)					0	0	0	0	0	0	0	0
Program Change (0-127)					0	1	4	8	16	24	25	27
MIDI		Keyboard Note	Key Off	Alternate Group	Standard Kit1	Standard Kit2	Hit Kit (PSR-2000)	Room Kit	Rock Kit	Electro Kit	Analog Kit	Dance Kit
Note#	Note											
13	C#-1	(C#0)		3	Surdo Mute							
14	D-1	(D0)		3	Surdo Open							
15	D#-1	(D#0)			Hi Q							
16	E-1	(E0)			Whip Slap							
17	F-1	(F0)		4	Scratch H							
18	F#-1	(F#0)		4	Scratch L							
19	G-1	(G0)			Finger Snap							
20	G#-1	(G#0)			Click Noise							
21	A-1	(A0)			Metronome Click							
22	A#-1	(A#0)			Metronome Bell							
23	B-1	(B0)			Seq Click L							
24	C0	C1			Seq Click H							
25	C#0	C#1			Brush Tap							
26	D0	D1	O		Brush Swirl							
27	D#0	D#1			Brush Slap							
28	E0	E1	O		Brush Tap Swirl					Reverse Cymbal	Reverse Cymbal	Reverse Cymbal
29	F0	F1	O		Snare Roll							
30	F#0	F#1			Castanet					Hi Q 2	Hi Q 2	Hi Q 2
31	G0	G1			Snare Soft	Snare Soft 2	Snare Electro		Snare Noisy	Snare Snappy Electro	Snare Noisy 4	Snare Techno
32	G#0	G#1			Sticks							
33	A0	A1			Kick Soft		Kick Tight L			Kick 3	Kick 3	Kick Techno Q
34	A#0	A#1			Open Rim Shot	Open Rim Shot H Short	Snare Pitched					Rim Gate
35	B0	B1			Kick Tight		Kick Wet		Kick 2	Kick Gate	Kick Analog Short	Kick Techno L
36	C1	C2			Kick	Kick Short	Kick Tight H		Kick Gate	Kick Gate Heavy	Kick Analog	Kick Techno
37	C#1	C#2			Side Stick	Side Stick Light	Stick Ambient				Side Stick Analog	Side Stick Analog
38	D1	D2			Snare	Snare Short	Snare Ambient	Snare Snappy	Snare Rock	Snare Noisy 2	Snare Analog	Snare Clap
39	D#1	D#2			Hand Clap							
40	E1	E2			Snare Tight	Snare Tight H	Snare Tight 2	Snare Tight Snappy	Snare Rock Tight	Snare Noisy 3	Snare Analog 2	Snare Dry
41	F1	F2			Floor Tom L		Hybrid Tom 1	Tom Room 1	Tom Rock 1	Tom Electro 1	Tom Analog 1	Tom Analog 1
42	F#1	F#2		1	Hi-Hat Closed		Hi-Hat Closed 2				Hi-Hat Closed Analog	Hi-Hat Closed 3
43	G1	G2			Floor Tom H		Hybrid Tom 2	Tom Room 2	Tom Rock 2	Tom Electro 2	Tom Analog 2	Tom Analog 2
44	G#1	G#2		1	Hi-Hat Pedal		Hi-Hat Pedal 2				Hi-Hat Closed Analog 2	Hi-Hat Closed Analog 3
45	A1	A2			Low Tom		Hybrid Tom 3	Tom Room 3	Tom Rock 3	Tom Electro 3	Tom Analog 3	Tom Analog 3
46	A#1	A#2		1	Hi-Hat Open		Hi-Hat Open 2				Hi-Hat Open Analog	Hi-Hat Open 3
47	B1	B2			Mid Tom L		Hybrid Tom 4	Tom Room 4	Tom Rock 4	Tom Electro 4	Tom Analog 4	Tom Analog 4
48	C2	C3			Mid Tom H		Hybrid Tom 5	Tom Room 5	Tom Rock 5	Tom Electro 5	Tom Analog 5	Tom Analog 5
49	C#2	C#3			Crash Cymbal 1						Crash Analog	Crash Analog
50	D2	D3			High Tom		Hybrid Tom 6	Tom Room 6	Tom Rock 6	Tom Electro 6	Tom Analog 6	Tom Analog 6
51	D#2	D#3			Ride Cymbal 1							
52	E2	E3			Chinese Cymbal							
53	F2	F3			Ride Cymbal Cup							
54	F#2	F#3			Tambourine		Tambourine Light					
55	G2	G3			Splash Cymbal							
56	G#2	G#3			Cowbell						Cowbell Analog	Cowbell Analog
57	A2	A3			Crash Cymbal 2							
58	A#2	A#3			Vibraslap							
59	B2	B3			Ride Cymbal 2							
60	C3	C4			Bongo H							
61	C#3	C#4			Bongo L							
62	D3	D4			Conga H Mute						Conga Analog H	Conga Analog H
63	D#3	D#4			Conga H Open						Conga Analog M	Conga Analog M
64	E3	E4			Conga L						Conga Analog L	Conga Analog L
65	F3	F4			Timbale H							
66	F#3	F#4			Timbale L							
67	G3	G4			Agogo H							
68	G#3	G#4			Agogo L							
69	A3	A4			Cabasa							
70	A#3	A#4			Maracas						Maracas 2	Maracas 2
71	B3	B4	O		Samba Whistle H							
72	C4	C5	O		Samba Whistle L							
73	C#4	C#5			Guiro Short							
74	D4	D5	O		Guiro Long							
75	D#4	D#5			Claves						Claves 2	Claves 2
76	E4	E5			Wood Block H							
77	F4	F5			Wood Block L							
78	F#4	F#5			Cuica Mute					Scratch H 2	Scratch H 2	Scratch H 2
79	G4	G5			Cuica Open					Scratch L 2	Scratch L 2	Scratch L 2
80	G#4	G#5		2	Triangle Mute							
81	A4	A5		2	Triangle Open							
82	A#4	A#5			Shaker							
83	B4	B5			Jingle Bells							
84	C5	C6			Bell Tree							
85	C#5	(C#6)										
86	D5	(D6)										
87	D#5	(D#6)										
88	E5	(E6)										
89	F5	(F6)										
90	F#5	(F#6)										
91	G5	(G6)										

• Key Off: Keys marked "O" stop sounding the instant they are released.
• Alternate Group: Playing any instrument within a numbered group will immediately stop the sound of any other instrument in the same group of the same number

Same as Standard Kit 1

No Sound

Bank Select MSB (0-127)					127	127	127	127	127	126	126	126
Bank Select LSB (0-127)					0	0	0	0	0	0	0	0
Program Change (0-127)					32	40	48	80	82	35	0	1
MIDI		Keyboard Note	Key Off	Alternate Group	Jazz Kit	Brush Kit	Symphony Kit	Sty Std.Kit	Sty BrushKit	Arabic Kit	SFX Kit1	SFX Kit2
Note#	Note											
13	C#-1	(C#0)		3								
14	D-1	(D0)		3								
15	D#-1	(D#0)										
16	E-1	(E0)										
17	F-1	(F0)		4								
18	F#-1	(F#0)		4								
19	G-1	(G0)										
20	G#-1	(G#0)										
21	A-1	(A0)										
22	A#-1	(A#0)										
23	B-1	(B0)										
24	C0	C1								Nakarazan Dom		
25	C#0	C#1						Brush Tap Style Std	Brush Tap Style Brush	Cabasa		
26	D0	D1	O					Brush Swirl Style Std	Brush Swirl StyleBrush	Nakarazan Edge		
27	D#0	D#1						Brush Slap Style Std	Brush Slap Style Brush	Hager Dom		
28	E0	E1	O					BrushTapSwirlStyleStd	BrushTapSwirlStyleBrsh	Hager Edge		
29	F0	F1	O							Bongo H		
30	F#0	F#1								Bongo L		
31	G0	G1			Snare Jazz H	Brush Slap 2		Snare Soft Style Std	Snare Soft Style Brush	Conga H Mute		
32	G#0	G#1								Conga H Open		
33	A0	A1					Kick Soft 2	Kick Soft Style Std	Kick Soft Style Brush	Conga L		
34	A#0	A#1				Open Rim Shot Light		Open Rim Shot Style Std	OpenRimShot StyleBrush	Zagrouda H		
35	B0	B1					Gran Cassa	Kick Tight Style Std	Kick Tight Style Brush	Zagrouda L		
36	C1	C2			Kick Jazz	Kick Jazz	Gran Cassa Mute	Kick Style Std	Kick Style Brush	Kick Soft	Cutting Noise	Phone Call
37	C#1	C#2			Side Stick Light	Side Stick Light		Side Stick Style Std	Side Stick Style Brush	Side Stick	Cutting Noise 2	Door Squeak
38	D1	D2			Snare Jazz L	Brush Slap 3	Band Snare	Snare Style Std	Snare Style Brush	Snare Soft		Door Slam
39	D#1	D#2								Arabic Hand Clap	String Slap	Scratch Cut
40	E1	E2			Snare Jazz M	Brush Tap 2	Band Snare 2	Snare Tight Style Std	Snare Tight StyleBrush	Snare		Scratch H 3
41	F1	F2				Tom Brush 1		Floor Tom L Style Std	Floor Tom L StyleBrush	Floor Tom L		Wind Chime
42	F#1	F#2		1				Hi-Hat Closed StyleStd	Hi-HatClosedStyleBrush	Hi-Hat Closed		Telephone Ring 2
43	G1	G2				Tom Brush 2		Floor Tom H Style Std	Floor Tom H StyleBrush	Floor Tom H		
44	G#1	G#2		1				Hi-Hat Pedal Style Std	Hi-HatPedal StyleBrush	Hi-Hat Pedal		
45	A1	A2				Tom Brush 3		Low Tom Style Std	Low Tom Style Brush	Low Tom		
46	A#1	A#2		1				Hi-Hat Open Style Std	Hi-HatOpen StyleBrush	Hi-Hat Open		
47	B1	B2				Tom Brush 4		Mid Tom L Style Std	Mid Tom L Style Brush	Mid Tom L		
48	C2	C3				Tom Brush 5		Mid Tom H Style Std	Mid Tom H Style Brush	Mid Tom H		
49	C#2	C#3					Hand Cymbal	CrashCymbal 1 StyleStd	CrashCymbal1StyleBrush	Crash Cymbal 1		
50	D2	D3				Tom Brush 6		High Tom Style Std	High Tom Style Brush	High Tom		
51	D#2	D#3					Hand Cymbal Short	Ride Cymbal 1 StyleStd	RideCymbal1 StyleBrush	Ride Cymbal 1		
52	E2	E3						ChineseCymbal StyleStd	ChineseCymbalStyleBrsh	Crash Cymbal 2	Flute Key Click	Car Engine Ignition
53	F2	F3						RideCymbalCup StyleStd	RideCymbalCupStyleBrsh	Duhulla Dom		Car Tires Squeal
54	F#2	F#3								Tambourine		Car Passing
55	G2	G3						Splash Cymbal StyleStd	SplashCymbalStyleBrush	Duhulla Tak		Car Crash
56	G#2	G#3								Cowbell		Siren
57	A2	A3					Hand Cymbal 2	CrashCymbal 2 StyleStd	CrashCymbal2StyleBrush	Duhulla Sak		Train
58	A#2	A#3								Claves		Jet Plane
59	B2	B3					Hand Cymbal 2 Short	Ride Cymbal 2 StyleStd	RideCymbal2 StyleBrush	Doff Dom		Starship
60	C3	C4								Katem Dom		Burst
61	C#3	C#4								Katem Tak		Roller Coaster
62	D3	D4								Katem Sak		Submarine
63	D#3	D#4								Katem Tak		
64	E3	E4								Doff Tak		
65	F3	F4								Tabla Dom		
66	F#3	F#4								Tabla Tak1		
67	G3	G4								Tabla Tik		
68	G#3	G#4								Tabla Tak2	Shower	Laugh
69	A3	A4								Tabla Sak	Thunder	Scream
70	A#3	A#4								Tabla Roll of Edge	Wind	Punch
71	B3	B4	O							Tabla Flam	Stream	Heart Beat
72	C4	C5	O							Sagat 1	Bubble	Foot Steps
73	C#4	C#5								Tabel Dom	Feed	
74	D4	D5	O							Sagat 3		
75	D#4	D#5								Tabel Tak		
76	E4	E5								Sagat 2		
77	F4	F5								Rik Dom		
78	F#4	F#5								Rik Tak 2		
79	G4	G5								Rik Finger 1		
80	G#4	G#5		2						Rik Tak 1		
81	A4	A5		2						Rik Finger 2		
82	A#4	A#5								Rik Brass Tremolo		
83	B4	B5								Rik Sak		
84	C5	C6								Rik Tik	Dog	Machine Gun
85	C#5	(C#6)									Horse	Laser Gun
86	D5	(D6)									Bird Tweet 2	Explosion
87	D#5	(D#6)										Firework
88	E5	(E6)										
89	F5	(F6)										
90	F#5	(F#6)									Ghost	
91	G5	(G6)									Maou	

Style List
Liste der Styles
Liste des styles
Lista de estilos (PSR-2000/1000)

Category	Style Name	
Pop&Rock	HeartBeat	
	60'sGtrPop	
	60's8Beat	
	8Beat1	
	8Beat2	
	OffBeat	
	60'sRock1	
	60'sRock2	
	BritPop	
	HardRock	
	Rock+HalfTime	
	RockShuffle	
	RootRock	
	8BeatRock	
	PopShuffle1	
	PopShuffle2	
	GuitarPop	
	16BtUptempo	
	KoolShuffle	
	FunkyFusion	
	JazzRock	
	Soul	
	DetroitPop1	
	Twist	●
	60'sRock&Roll	
	GospelBrothers	
	6-8Soul	
	CrocoTwist	
	Rock&Roll	
	SoulBeat	
	DetroitPop2	
	SoulShuffle	
	BoogieWoogie	
	6-8Blues	
	AmazingGospel	
	Country8Beat1	
	CountryPop1	
	CountryRock	
	CountrySwing1	
	Country2-4	
	CowboyBoogie	
	Country8Beat2	
	CountryPop2	
	CntryBrothers	
	CountryShuffle	
	Hoedown	
	FingerPickin	
	SingrSngWriter	●
Ballad	8BeatModern	
	OrganBallad	
	Unplugged	
	8BeatAdria	
	PianoBallad	
	LoveSong	
	AcousticBallad	
	6-8ModernEP	
	6-8Orchestral	
	6-8SlowRock1	
	6-8SlowRock2	
	RockBallad	
	16Beat	

Category	Style Name	
Ballad	PopBallad	
	16BeatBallad1	
	16BeatBallad2	
	Slow&Easy	
	AnalogBallad	
	R&B	
	ModCntryPop	
	CountryBallad	
	SecretService	
Swing&Jazz	BigBandFast1	
	BigBandMid1	
	BigBandFast2	
	BigBandMid2	
	CatGroove	
	BigBandBallad	
	MoonlightBallad	
	BigBandShfl1	
	BigBandShfl2	
	JazzClub	
	Swing1	
	Swing2	
	JazzBallad1	
	GypsySwing	
	Dixieland1	
	Ragtime1	
	Bebop	
	Charleston	
Dance	EuroTrance	
	Ibiza	
	HouseMusik	
	SwingHouse	
	TechnoPolis	
	Clubdance	
	ClubLatin	
	Garage1	
	Garage2	
	TechnoParty	
	UKPop	
	HipHopGroove	
	HipHopLight	
	ModernR&B	●
	HipShuffle	
	HipHopPop	
	70'sDisco1	
	70'sDisco2	
	70'sDisco3	
	LatinDisco	
	DiscoPhilly	
	SaturdayNight	
	DiscoChocolate	
	DiscoHands	
	DiscoFunk	
	DiscoSamba	
	DiscoParty	
	DiscoFox	
	FunkyDisco	
Ballroom	VienneseWaltz	
	EnglishWaltz	
	Slowfox	
	Foxtrot	
	Quickstep	

Multi Pad Bank List
Multi-Pad-Bank-Liste
Liste des banques multi-pads
Lista de bancos de Multi Pad
(PSR-2000/1000)

Category	Style Name	
Ballroom	OrgQuickstep	
	Tango1	
	Tango2	
	Swingfox	
	Pasodoble	
	Samba	
	ChaChaCha	
	Rumba	
	Jive	
Latin	BrazilianSamba	
	PopSamba	
	BossaNova	
	PopBossa1	
	BigBandMambo	
	BigBandSalsa	
	SlowBossa	
	Tijuana	
	DiscoLatin	
	RockChaCha	
	FastBossa	
	Mambo1	
	Salsa	
	Beguine	
	GypsyRumba	
	RmbFlamenca	
	RumbaIsland	
	Espagnole	●
	Caribbean	
	HappyReggae	
	JumboReggae	
	Bolero	●
March&Waltz	USMarch	
	6-8March	
	ChildrensMarch	
	GermanMarch1	
	GermanMarch2	●
	BandMarch	●
	PolkaPop	
	OberPolka	
	Tarantella	
	GuitarSerenade	
	SwingWaltz	
	PopWaltz	●
	JazzWaltz1	
	BandWaltz	●
	CountryWaltz	
	TraditionalWaltz	●
	OberWalzer	
	Bluegrass1	
	Bluegrass2	●
	Musette	
	Showtune	
	ChristmasSwing	
	ChristmasWaltz	
	ScottishReel	
	Jig	●
	Hawaiian	
	LimboRock	
	HullyGully	

●: PSR-2000 Only

Bank Name
Tom Flam
Crash Kit
Drum Kit 1
Drum Kit 2
Drum Kit 3
ArabicPerc 1
ArabicPerc 2
Latin Perc 1
Latin Perc 2
Dance Kit
Attention 1
Attention 2
Fanfare 1
Fanfare 2
Swingy
Brassy 1
Brassy 2
SynBrass
Mallet Fills
Piano Man
Heaven Arp
Piano Arp
Harpeggio 1
Harpeggio 2
Arpeggio
Crystal Arp
Twinkle Arp
Piano Gliss
Xmas 1
Xmas 2
Guitar Cut 1
Guitar Cut 2
GuitarRiff 1
GuitarRiff 2
Guitar Strum
DrumFill
Limbo Dancer
DJ Set 1
DJ Set 2
OrchestraHit
Water SE
Horror SE
Night SE
Day SE
Car SE
Big Bells
Whistle
MagicBell SE
Classical
Flamenco Gtr
Salsa Piano
Samba Show1
Samba Show2
TimbalesRoll

Effect Type List / Liste der Effekttypen / Liste des types d'effet / Lista de tipos de efecto (CVP-209/207/205/203, PSR-2000/1000)

■ Effect Type (for Natural Voices) (CVP only)

Reverb	Chorus	DSP	Brilliance
ROOM	CHORUS	DELAY LCR	DARK
HALL 1	CELESTE	DELAY LR	MELLOW
HALL 2	FLANGER	ECHO	NORMAL
STAGE		CRS-DELAY	BRIGHT
PLATE		SYMPHONIC	METALLIC
		ROTARY SP	
		TREMOLO	
		VIB ROTER	
		AUTO PAN	
		PHASER	
		AUTO WAH	
		PIANO REV	
		NO EFFECT	

■ XG Effect Type

❍ Reverb Type

Effect Name	Type MSB	Type LSB	
HALL1	1	0	
HALL2	1	16	
HALL3	1	17	
HALL4	1	18	
HALL5	1	1	
HALL M	1	6	●
HALL L	1	7	●
ROOM1	2	16	
ROOM2	2	17	
ROOM3	2	18	
ROOM4	2	19	
ROOM5	2	0	
ROOM6	2	1	
ROOM7	2	2	
ROOM S	2	5	●
ROOM M	2	6	●
ROOM L	2	7	●
STAGE1	3	16	
STAGE2	3	17	
STAGE3	3	0	
STAGE4	3	1	
PLATE1	4	16	
PLATE2	4	17	
PLATE3	4	0	
GM PLATE	4	7	●
WHITE ROOM	16	0	
TUNNEL	17	0	
CANYON	18	0	
BASEMENT	19	0	
NO EFFECT	0	0	

❍ Chorus Type

Effect Name	Type MSB	Type LSB	
CHORUS1	66	17	
CHORUS2	66	8	
CHORUS3	66	16	
CHORUS4	66	1	
CHORUS5	65	2	
CHORUS6	65	0	
CHORUS7	65	1	
CHORUS8	65	8	
GM CHORUS1	65	3	●
GM CHORUS2	65	4	●
GM CHORUS3	65	5	●
GM CHORUS4	65	6	●
FB CHORUS	65	7	●
CELESTE1	66	0	
CELESTE2	66	2	
FLANGER1	67	8	
FLANGER2	67	16	
FLANGER3	67	17	
FLANGER4	67	1	
FLANGER5	67	0	
GM FLANGER	67	7	●
SYMPHONIC1	68	16	●
SYMPHONIC2	68	0	●
PHASER1	72	0	●
ENS DETUNE (ENSEMBLE DETUNE)	87	0	●
NO EFFECT	0	0	

●: CVP-209/207, PSR-2000 only

❍ DSP Type

DSP Block

	PSR-1000	CVP-205/203	PSR-2000	CVP-207	CVP-209
Variation	DSP	DSP 1	DSP 1	DSP 1	DSP 1
Insertion 1			DSP 2	DSP 3	DSP 3
Insertion 2			DSP 3	DSP 4	DSP 4
Insertion 3			DSP 4	DSP 5	DSP 5
Insertion 4					DSP 6
Insertion 5					DSP 7

CVP-209 Variation/Insertion1-4
CVP-207/PSR-2000 Variation

Effect Name	Type MSB	Type LSB
HALL1	1	0
HALL2	1	16
HALL3	1	17
HALL4	1	18
HALL5	1	1
HALL M	1	6
HALL L	1	7
ROOM1	2	16
ROOM2	2	17
ROOM3	2	18
ROOM4	2	19
ROOM5	2	0
ROOM6	2	1
ROOM7	2	2
ROOM S	2	5
ROOM M	2	6
ROOM L	2	7
STAGE1	3	16
STAGE2	3	17
STAGE3	3	0
STAGE4	3	1
PLATE1	4	16
PLATE2	4	17
PLATE3	4	0
GM PLATE	4	7
WHITE ROOM	16	0
TUNNEL	17	0
CANYON	18	0
BASEMENT	19	0
CHORUS1	66	17
CHORUS2	66	8
CHORUS3	66	16
CHORUS4	66	1
CHORUS5	65	2
CHORUS6	65	0
CHORUS7	65	1
CHORUS8	65	8
GM CHORUS1	65	3
GM CHORUS2	65	4
GM CHORUS3	65	5
GM CHORUS4	65	6
FB CHORUS	65	7
CELESTE1	66	0
CELESTE2	66	2
SYMPHONIC1	68	16
SYMPHONIC2	68	0
ENS DETUNE (ENSEMBLE DETUNE)	87	0
KARAOKE1	20	0
KARAOKE2	20	1
KARAOKE3	20	2
ER1	9	0
ER2	9	1
GATE REVERB	10	0
REVERS GATE	11	0
EQ DISCO	76	16
EQ TEL	76	17
2BAND EQ	77	0
3BAND EQ	76	0
HM ENHANCE1 (HARMONIC ENHANCER 1)	81	16
HM ENHANCE2 (HARMONIC ENHANCER 2)	81	0
FLANGER1	67	8
FLANGER2	67	16
FLANGER3	67	17
FLANGER4	67	1
FLANGER5	67	0
GM FLANGER	67	7
DELAY LCR1	5	16
DELAY LCR2	5	0
DELAY LR	6	0
ECHO	7	0
CROSS DELAY	8	0
TEMPO DELAY	21	0
TEMPO ECHO	21	8
TEMPO CROSS	22	0
DIST HEAVY	73	0
ST DIST (STEREO DISTORTION)	73	8
COMP+DIST1 (COMPRESSOR+DISTORTION 1)	73	16
COMP+DIST2 (COMPRESSOR+DISTORTION 2)	73	1
OVERDRIVE	74	0
ST OD (STEREO OVER DRIVE)	74	8
DIST HARD (DISTORTION HARD)	75	16
DIST SOFT (DISTORTION SOFT)	75	17
ST DIST HARD (STEREO DISTORTION HARD)	75	18
ST DIST SOFT (STEREO DISTORTION SOFT)	75	19
V_DIST HARD (V DISTORTION HARD)	98	0

Effect Name	Type MSB	Type LSB
V_DIST SOFT (V DISTORTION SOFT)	98	2
AMP SIM (AMP SIMULATOR)	75	0
ST AMP1 (STEREO AMP SIMIULATOR 1)	75	20
ST AMP2 (STEREO AMP SIMIULATOR 2)	75	21
ST AMP3 (STEREO AMP SIMIULATOR 3)	75	8
DST+DELAY1 (DISTORTION+DELAY 1)	95	16
DST+DELAY2 (DISTORTION+DELAY 2)	95	0
OD+DELAY1 (OVERDRIVE+DELAY 1)	95	17
OD+DELAY2 (OVERDRIVE+DELAY 2)	95	1
CMP+DST+DLY1 (COMPRESSOR+DISTORTION+DELAY 1)	96	16
CMP+DST+DLY2 (COMPRESSOR+DISTORTION+DELAY 2)	96	0
CMP+OD+DLY1 (COMPRESSOR+OVERDRIVE+DELAY 1)	96	17
CMP+OD+DLY2 (COMPRESSOR+OVERDRIVE+DELAY 2)	96	1
V_DST H+DLY (V DISTORTION HARD+DELAY)	98	1
V_DST S+DLY (V DISTORTION SOFT+DELAY)	98	3
DST+TDLY (DISTORTION+TEMPO DELAY)	100	0
OD+TDLY (OVERDRIVE+TEMPO DELAY)	100	1
CMP+DST+TDL (COMPRESSOR+DISTORTION+TEMPO DELAY)	101	0
CMP+OD+TDLY (COMPRESSOR+OVERDRIVE+TEMPO DELAY)	101	1
V_DST H+TDLY (V DISTORTION HARD+TEMPO DELAY)	103	0
V_DST S+TDLY (V DISTORTION SOFT+TEMPO DELAY)	103	1
COMPRESSOR	83	0
NOISE GATE	84	0
VCE CANCEL	85	0
AMBIENCE	88	0
TALKING MOD	93	0
LO-FI	94	0
PHASER1	72	0
PHASER2	72	8
EP PHASER1	72	17
EP PHASER2	72	18
EP PHASER3	72	16
PITCH CHG1 (PITCH CHANGE 1)	80	16
PITCH CHG2 (PITCH CHANGE 2)	80	0
PITCH CHG3 (PITCH CHANGE 3)	80	1
ROTARY SP1	69	16
ROTARY SP2	71	17
ROTARY SP3	71	18
ROTARY SP4	70	17
ROTARY SP5	66	18
ROTARY SP6	69	0
2WAY ROT SP (2WAY ROTARY SP)	86	0
DST+ROT SP (DISTORTION+ROTARY SP)	69	1
DST+2ROT SP (DISTORTION+2WAY ROTARY SP)	86	1
OD+ROT SP (OVERDRIVE+ROTARY SP)	69	2
OD+2ROT SP (OVERDRIVE+2WAY ROTARY SP)	86	2
AMP+ROT SP (AMP SIMULATOR+ROTARY SP)	69	3
AMP+2ROT SP (AMP SIMULATOR+2WAY ROTARY SP)	86	3
DUAL ROT SP1 (DUAL ROTOR SPEAKER 1)	99	0
DUAL ROT SP2 (DUAL ROTOR SPEAKER 2)	99	1
AUTO PAN1	71	16
AUTO PAN2	71	0
EP AUTOPAN	71	21
TREMOLO1	70	16
TREMOLO2	71	19
TREMOLO3	70	0
EP TREMOLO	70	18
GT TREMOLO1	71	20
GT TREMOLO2	70	19
AUTO WAH1	78	16
AUTO WAH2	78	0
AT WAH+DST1 (AUTO WAH+DISTORTION 1)	78	17
AT WAH+DST2 (AUTO WAH+DISTORTION 2)	78	1
AT WAH+OD1 (AUTO WAH+OVERDRIVE 1)	78	18
AT WAH+OD2 (AUTO WAH+OVERDRIVE 2)	78	2
TOUCH WAH1	82	0
TOUCH WAH2	82	8
TC WAH+DST1 (TOUCH WAH+DISTORTION 1)	82	16
TC WAH+DST2 (TOUCH WAH+DISTORTION 2)	82	1
TC WAH+OD1 (TOUCH WAH+OVERDRIVE 1)	82	17
TC WAH+OD2 (TOUCH WAH+OVERDRIVE 2)	82	2
CLAVI TC WAH (CLAVI TOUCH WAH)	82	18
EP TC WAH (EP TOUCH WAH)	82	19
WH+DST+DLY1 (WAH+DISTORTION+DELAY 1)	97	16
WH+DST+DLY2 (WAH+DISTORTION+DELAY 2)	97	0
WH+DST+TDLY (WAH+DISTORTION+TEMPO DELAY)	102	0
WH+OD+DLY1 (WAH+OVERDRIVE+DELAY 1)	97	17
WH+OD+DLY2 (WAH+OVERDRIVE+DELAY 2)	97	1
WH+OD+TDLY (WAH+OVERDRIVE+TEMPO DELAY)	102	1
THRU	64	0
NO EFFECT	0	0

CVP-209 Insertion5
CVP-207/PSR-2000 Insertion1-3

Effect Name	Type MSB	Type LSB
HALL1	1	0
HALL2	1	16
HALL3	1	17
HALL4	1	18
HALL5	1	1
ROOM1	2	16
ROOM2	2	17
ROOM3	2	18
ROOM4	2	19
ROOM5	2	0
ROOM6	2	1
ROOM7	2	2
STAGE1	3	16
STAGE2	3	17
STAGE3	3	0
STAGE4	3	1
PLATE1	4	16
PLATE2	4	17
PLATE3	4	0
CHORUS1	66	17
CHORUS2	66	8
CHORUS3	66	16
CHORUS4	66	1
CHORUS5	65	2
CHORUS6	65	0
CHORUS7	65	1
CHORUS8	65	8
CELESTE1	66	0
CELESTE2	66	2
SYMPHONIC1	68	16
SYMPHONIC2	68	0
ENS DETUNE (ENSEMBLE DETUNE)	87	0
KARAOKE1	20	0
KARAOKE2	20	1
KARAOKE3	20	2
EQ DISCO	76	16
EQ TEL	76	17
2BAND EQ	77	0
3BAND EQ	76	0
HM ENHANCE1 (HARMONIC ENHANCER 1)	81	16
HM ENHANCE2 (HARMONIC ENHANCER 2)	81	0
FLANGER1	67	8
FLANGER2	67	16
FLANGER3	67	17
FLANGER4	67	1
FLANGER5	67	0
DELAY LCR1	5	16
DELAY LCR2	5	0
DELAY LR	6	0
ECHO	7	0
CROSS DELAY	8	0
TEMPO DELAY	21	0
TEMPO ECHO	21	8
TEMPO CROSS	22	0
DIST HEAVY	73	0
OVERDRIVE	74	0
DIST HARD (DISTORTION HARD)	75	16
DIST HARD2	75	22
DIST SOFT (DISTORTION SOFT)	75	17
DIST SOFT2	75	23
AMP SIM (AMP SIMULATOR)	75	0
ST AMP2	75	21
COMPRESSOR	83	0
NOISE GATE	84	0
PHASER1	72	0
EP PHASER1	72	17
EP PHASER2	72	18
EP PHASER3	72	16
ROTARY SP1	69	16
ROTARY SP2	71	17
ROTARY SP3	71	18
ROTARY SP4	70	17
ROTARY SP5	66	18
ROTARY SP6	69	0
ROTARY SP7	71	22
AUTO PAN1	71	16
AUTO PAN2	71	0
EP AUTOPAN	71	21
TREMOLO1	70	16
TREMOLO2	71	19
TREMOLO3	70	0
EP TREMOLO	70	18
GT TREMOLO1	71	20
GT TREMOLO2	70	19
AUTO WAH1	78	16
AUTO WAH2	78	0
TOUCH WAH1	82	0
TOUCH WAH2	82	8
THRU	64	0

CVP-205/203, PSR-1000 Variation

Effect Name	Type MSB	Type LSB
HALL1	1	0
HALL2	1	16
HALL3	1	17
HALL4	1	18
HALL5	1	1
ROOM1	2	16
ROOM2	2	17
ROOM3	2	18
ROOM4	2	19
ROOM5	2	0
ROOM6	2	1
ROOM7	2	2
STAGE1	3	16
STAGE2	3	17
STAGE3	3	0
STAGE4	3	1
PLATE1	4	16
PLATE2	4	17
PLATE3	4	0
CHORUS1	66	17
CHORUS2	66	8
CHORUS3	66	16
CHORUS4	66	1
CHORUS5	65	2
CHORUS6	65	0
CHORUS7	65	1
CHORUS8	65	8
CELESTE1	66	0
CELESTE2	66	2
SYMPHONIC1	68	16
SYMPHONIC2	68	0
KARAOKE1	20	0
KARAOKE2	20	1
KARAOKE3	20	2
ER1	9	0
ER2	9	1
GATE REVERB	10	0
REVERS GATE	11	0
EQ DISCO	76	16
EQ TEL	76	17
2BAND EQ	77	0
3BAND EQ	76	0
FLANGER1	67	8
FLANGER2	67	16
FLANGER3	67	17
FLANGER4	67	1
FLANGER5	67	0
DELAY LCR1	5	16
DELAY LCR2	5	0
DELAY LR	6	0
ECHO	7	0
CROSS DELAY	8	0
DIST HEAVY	73	0
OVERDRIVE	74	0
DIST HARD (DISTORTION HARD)	75	16
DIST HARD2	75	22
DIST HARD3	75	25
DIST SOFT (DISTORTION SOFT)	75	17
DIST SOFT2	75	23
AMP SIM (AMP SIMULATOR)	75	0
ST AMP2	75	21
ST AMP3	75	24
PHASER1	72	0
PHASER2	72	8
EP PHASER1	72	17
EP PHASER2	72	16
ROTARY SP1	69	16
ROTARY SP2	71	17
ROTARY SP3	71	18
ROTARY SP4	70	17
ROTARY SP5	66	18
ROTARY SP6	69	0
ROTARY SP7	71	22
ROTARY SP8	69	17
ROTARY SP9	66	19
ROTARY SP10	71	25
AUTO PAN1	71	16
AUTO PAN2	71	0
AUTO PAN3	71	23
EP AUTOPAN	71	21
EP AUTOPAN2	71	24
TREMOLO1	70	16
TREMOLO2	71	19
TREMOLO3	70	0
TREMOLO4	70	20
EP TREMOLO	70	18
EP TREMOLO2	70	21
GT TREMOLO1	71	20
AUTO WAH1	78	16
AUTO WAH2	78	0
AUTO WAH3	78	19
AUTO WAH4	78	20
THRU	64	0

Effect Parameter List / Liste der Effektparameter / Liste des paramètres d'effets / Lista de parámetros de efectos (CVP-209/207/205/203, PSR-2000/1000)

Parameters marked with a ● in the Control column can be controlled from an AC1 (assignable controller 1) etc. However, this is valid only for a Variation effect (when selected for Insertion).

XG Effect Name — TypeMSB (Type LSB)

HALL1, HALL2 — **MSB = 01**
ROOM1, ROOM2, ROOM3 — **MSB = 02**
STAGE1, STAGE2 — **MSB = 03**
PLATE (reverb, variation, insertion block) — **MSB = 04**

No.	Parameter	Display	Value	See Table	Control
1	Reverb Time	0.3~30.0s	0-69	table#4	
2	Diffusion	0~10	0-10		
3	Initial Delay	0.1mS~99.3mS	0-63	table#5	
4	HPF Cutoff	Thru~8.0kHz	0-52	table#3	
5	LPF Cutoff	1.0k~Thru	34-60	table#3	
6					
7					
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	Rev Delay	0.1mS~99.3mS	0-63	table#5	
12	Density	0~4 (rev, var, ins1-4 block)	0-4		
		0~2 (ins5 block)	0-2		
13	Er/Rev Balance	E63>R~E=R~E<R63	1-127		
14	High Damp (*1)	0.1~1.0	1-10		
15	Feedback Level	-63~+63	1-127		
16					

DELAY L,C,R (variation, insertion block) — **MSB = 05**

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay	0.1~1486.0ms (*2)	1-14860		
		0.1~715.0ms (*3)	1-7150		
2	Rch Delay	0.1~1486.0ms (*2)	1-14860		
		0.1~715.0ms (*3)	1-7150		
3	Cch Delay	0.1~1486.0ms (*2)	1-14860		
		0.1~715.0ms (*3)	1-7150		
4	Feedback Delay	0.1~1486.0ms (*2)	1-14860		
		0.1~715.0ms (*3)	1-7150		
5	Feedback Level	-63~+63	1-127		
6	Cch Level	0~127	0-127		
7	High Damp	0.1~1.0	1-10		
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11					
12					
13	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
14	EQ Low Gain	-12~+12dB	52-76		
15	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
16	EQ High Gain	-12~+12dB	52-76		

DELAY L, R (variation, insertion block) — **MSB = 06**

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay	0.1~1486.0ms (*2)	1-14860		
		0.1~715.0ms (*3)	1-7150		
2	Rch Delay	0.1~1486.0ms (*2)	1-14860		
		0.1~715.0ms (*3)	1-7150		
3	Feedback Delay 1	0.1~1486.0ms (*2)	1-14860		
		0.1~715.0ms (*)	1-7150		
4	Feedback Delay 2	0.1~1486.0ms (*2)	1-14860		
		0.1~715.0ms (*3)	1-7150		
5	Feedback Level	-63~+63	1-127		
6	High Damp	0.1~1.0	1-10		
7					
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11					
12					
13	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
14	EQ Low Gain	-12~+12dB	52-76		
15	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
16	EQ High Gain	-12~+12dB	52-76		

ECHO (variation, insertion block) — **MSB = 07**

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay1	0.1~743.0ms (*2)	1-7430		
		0.1~355.0ms (*3)	1-3550		
2	Lch Feedback Level	-63~+63	1-127		
3	Rch Delay1	0.1~743.0ms (*2)	1-7430		
		0.1~355.0ms (*3)	1-3550		
4	Rch Feedback Level	-63~+63	1-127		
5	High Damp	0.1~1.0	1-10		
6	Lch Delay2	0.1~743.0ms (*2)	1-7430		
		0.1~355.0ms (*3)	1-3550		
7	Rch Delay2	0.1~743.0ms (*2)	1-7430		
		0.1~355.0ms (*3)	1-3550		
8	Delay2 Level	0~127	0-127		
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11					
12					
13	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
14	EQ Low Gain	-12~+12dB	52-76		
15	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
16	EQ High Gain	-12~+12dB	52-76		

CROSS DELAY (variation, insertion block) — **MSB = 08**

No.	Parameter	Display	Value	See Table	Control
1	L R Delay	0.1~743.0ms (*2)	1-7430		
		0.1~355.0ms (*3)	1-3550		
2	R L Delay	0.1~743.0ms (*2)	1-7430		
		0.1~355.0ms (*3)	1-3550		
3	Feedback Level	-63~+63	1-127		
4	Input Select	L, R, L&R	0-2		
5	High Damp	0.1~1.0	1-10		
6					
7					
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11					
12					
13	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
14	EQ Low Gain	-12~+12dB	52-76		
15	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
16	EQ High Gain	-12~+12dB	52-76		

EARLY REF1, EARLY REF2 (variation, Insertion1-4 block)*11 — **MSB = 09**

No.	Parameter	Display	Value	See Table	Control
1	Type	S-H, L-H, Rdm, Rvs, Plt, Spr	0-5		
2	Room Size	0.1~7.0	0-44	table#6	
3	Diffusion	0~10	0-10		
4	Initial Delay	0.1mS~200.0mS	0-127	table#5	
5	Feedback Level	-63~+63	1-127		
6	HPF Cutoff	Thru~8.0kHz	0-52	table#3	
7	LPF Cutoff	1.0k~Thru	34-60	table#3	
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	Liveness	0~10	0-10		
12	Density	0~3	0-3		
13	High Damp	0.1~1.0	1-10		
14					
15					
16					

GATE REVERB — **MSB = 10**
REVERSE GATE (variation, Insertion1-4 block)*11 — **MSB = 11**

No.	Parameter	Display	Value	See Table	Control
1	Type	TypeA,TypeB	0-1		
2	Room Size	0.1~7.0	0-44	table#6	
3	Diffusion	0~10	0-10		
4	Initial Delay	0.1mS~200.0mS	0-127	table#5	
5	Feedback Level	-63~+63	1-127		
6	HPF Cutoff	Thru~8.0kHz	0-52	table#3	
7	LPF Cutoff	1.0k~Thru	34-60	table#3	
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	Liveness	0~10	0-10		
12	Density	0~3	0-3		
13	High Damp	0.1~1.0	1-10		
14					
15					
16					

WHITE ROOM — **MSB = 16**
TUNNEL — **MSB = 17**
CANYON — **MSB = 18**
BASEMENT (reverb, variation, Insertion1-4 block)*12 — **MSB = 19**

No.	Parameter	Display	Value	See Table	Control
1	Reverb Time	0.3~30.0s	0-69	table#4	
2	Diffusion	0~10	0-10		
3	Initial Delay	0.1mS~99.3mS	0-63	table#5	
4	HPF Cutoff	Thru~8.0kHz	0-52	table#3	
5	LPF Cutoff	1.0k~Thru	34-60	table#3	
6	Width	0.5~10.2m	0-37	table#11	
7	Heigt	0.5~20.2m	0-73	table#11	
8	Depth	0.5~30.2m	0-104	table#11	
9	Wall Vary	0~30	0-30		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	Rev Delay	0.1mS~99.3mS	0-63	table#5	
12	Density (*4)	0~4	0-4		
13	Er/Rev Balance (*4)	E63>R~E=R~E<R63	1-127		
14	High Damp (*4)	0.1~1.0	1-10		
15	Feedback Level (*4)	-63~+63	1-127		
16					

KARAOKE1,2,3 (variation, insertion block) — **MSB = 20**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1mS~400.0mS	0-127	table#7	
2	Feedback Level	-63~+63	1-127		
3	HPF Cutoff	Thru~8.0kHz	0-52	table#3	
4	LPF Cutoff	1.0k~Thru	34-60	table#3	
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11					
12					
13					
14					
15					
16					

TEMPO DELAY (variation, Insertion block)*1
TEMPO ECHO (variation, Insertion block)*1 **MSB = 21**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3~4thx6	0-19	table#14	
2	Feedback Level	-63~+63	1-127		
3	Feedback High Dump	0~1.0	0-10		
4	L/R Diffusion	1(-63ms)~64(0ms)~127(63ms)	1-127		
5	Lag	1(-63ms)~64(0ms)~127(63ms)	1-127		
6					
7					
8					
9					
10	Dry/Wet	D63>W~D=W~D<W=63	1-127		●
11					
12					
13	EQ Low Frequency	32-2.0kH	4-40		
14	EQ Low Gain	-12~+12dB	52-76		
15	EQ High Frequency	500~16.0kHz	28-58		
16	EQ High Gain	-12~+12dB	52-76		

TEMPO CROSS (variation, Insertion block)*1 **MSB = 22**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time L>R	64th/3~4thx6	0-19	table#14	
2	Delay Time R>L	64th/3~4thx6	0-19	table#14	
3	Feedback Level	-63~+63	1-127		
4	Input Select	L, R, L&R	0-2		
5	Feedback High Dump	0~1.0	0-10		
6	Lag	1(-63ms)~64(0ms)~127(63ms)	1-127		
7					
8					
9					
10	Dry/Wet	D63>W~D=W~D<W=63	1-127		●
11					
12					
13	EQ Low Frequency	32-2.0kH	4-40		
14	EQ Low Gain	-12~+12dB	52-76		
15	EQ High Frequency	500~16.0kHz	28-58		
16	EQ High Gain	-12~+12dB	52-76		

CHORUS1, 2, 3, 4 **MSB = 65**
CELESTE1, 2, 3, 4 (chorus, variation, insertion block) **MSB = 66**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz~39.7Hz	0-127	table#1	
2	LFO Depth	0~127	0-127		
3	Feedback Level	-63~+63	1-127		
4	Delay Offset	0.0mS~50mS	0-127	table#2	
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	EQ Mid Frequency (*5)	100Hz~10.0kHz	14-54	table#3	
12	EQ Mid Gain (*5)	-12~+12dB	52-76		
13	EQ Mid Width (*5)	1.0~12.0	10-120		
14					
15	Input Mode	mono/stereo	0-1		
16					

FLANGER1, 2, 3 (chorus, variation, insertion block) **MSB = 67**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz~39.7Hz	0-127	table#1	
2	LFO Depth	0~127	0-127		
3	Feedback Level	-63~+63	1-127		
4	Delay Offset	0.0mS~50mS	0-127	table#2	
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	EQ Mid Frequency (*5)	100Hz~10.0kHz	14-54	table#3	
12	EQ Mid Gain (*5)	-12~+12dB	52-76		
13	EQ Mid Width (*5)	1.0~12.0	10-120		
14	LFO Phase Difference	-180~+180deg (resolution=3deg.)	4-124		
15					
16					

SYMPHONIC (chorus, variation, insertion block) **MSB = 68**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz~39.7Hz	0-127	table#1	
2	LFO Depth	0~127	0-127		
3	Delay Offset	0.0mS~50mS	0-127	table#2	
4					
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	EQ Mid Frequency (*5)	100Hz~10.0kHz	14-54	table#3	
12	EQ Mid Gain (*5)	-12~+12dB	52-76		
13	EQ Mid Width (*5)	1.0~12.0	10-120		
14					
15					
16					

ROTARY SPEAKER (variation, insertion block) **MSB = 69, LSB = 0, 16, 17**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz~39.7Hz	0-127	table#1	●
2	LFO Depth	0~127	0-127		
3					
4					
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		
11	EQ Mid Frequency (*5)	100Hz~10.0kHz	14-54	table#3	
12	EQ Mid Gain (*5)	-12~+12dB	52-76		
13	EQ Mid Width (*5)	1.0~12.0	10-120		
14					
15					
16					

DISTORTION+ROTARY SPEAKER (variation, Insertion1-4 block)*5 **MSB = 69, LSB = 1**
OVERDRIVE+ROTARY SPEAKER (variation, Insertion1-4 block)*5 **MSB = 69, LSB = 2**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequenct	0.0-39.7Hz	0-127		●
2	LFO Depth	0-127	0-127		
3					
4					
5					
6	EQ Low Frequency	32-2.0kHz	4-40		
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500~16.0kHz	28-58		
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W=63	1-127		
11					
12					
13					
14	Drive	0-127	0-127		
15	LPF Cuttoff	1kHz-Thru	34-60		
16	Output Level	0-127	0-127		

AMP SIM.+ROTARY SPEAKER (variation, Insertion1-4 block)*5 **MSB = 69, LSB = 3**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequenct	0.0-39.7Hz	0-127		●
2	LFO Depth	0-127	0-127		
3	AMP Type	Off,Stack,Combo,Tube	0-3		
4					
5					
6	EQ Low Frequency	32-2.0kHz	4-40		
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500~16.0kHz	28-58		
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W=63	1-127		
11					
12					
13					
14	Drive	0-127	0-127		
15	LPF Cuttoff	1kHz-Thru	34-60		
16	Output Level	0-127	0-127		

TREMOLO (variation, insertion block) **MSB = 70**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz~39.7Hz	0-127	table#1	●
2	AM Depth	0~127	0-127		
3	PM Depth	0~127	0-127		
4					
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10					
11	EQ Mid Frequency (*5)	100Hz~10.0kHz	14-54	table#3	
12	EQ Mid Gain (*5)	-12~+12dB	52-76		
13	EQ Mid Width (*5)	1.0~12.0	10-120		
14	LFO Phase Difference	-180~+180deg(resolution=3deg.)	4-124		
15	Input Mode	mono/stereo	0-1		
16					

AUTO PAN (variation, insertion block) **MSB = 71**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz~39.7Hz	0-127	table#1	●
2	L/R Depth	0~127	0-127		
3	F/R Depth	0~127	0-127		
4	PAN Direction	L R, L R, L R, Lturn, Rturn, L/R	0-5		
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10					
11	EQ Mid Frequency (*5)	100Hz~10.0kHz	14-54	table#3	
12	EQ Mid Gain (*5)	-12~+12dB	52-76		
13	EQ Mid Width (*5)	1.0~12.0	10-120		
14					
15					
16					

PHASER 1 (chorus, variation, insertion block) **MSB = 72, LSB = 0, 16, 17, 18**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz~39.7Hz	0-127	table#1	
2	LFO Depth	0~127	0-127		
3	Phase Shift Offset	0~127	0-127		
4	Feedback Level	-63~+63	1-127		
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	Stage	4, 5, 6 (*6)	4-6		
		4~12 (*7)	4-12		
		6, 7, 8, 9, 10 (*8)	6-10		
12	Diffusion (*9)	mono/stereo	0-1		
13					
14					
15					
16					

PHASER 2 (variation, Insertion1-4 block) **MSB = 72, LSB = 8**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz~39.7Hz	0-127	table#1	
2	LFO Depth	0~127	0-127		
3	Phase Shift Offset	0~127	0-127		
4	Feedback Level	-63~+63	1-127		
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	Stage	3,4,5,6 (*4)	3-6		
		3,4,5 (*8)	3-5		
12					
13	LFO Phase Difference	-180deg~+180deg(resolution=3deg.)	4-124		
14					
15					
16					

DISTORTION **MSB = 73, LSB = 0**
OVERDRIVE (variation, insertion block) **MSB = 74**

No.	Parameter	Display	Value	See Table	Control
1	Drive	0~127	0-127		●
2	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
3	EQ Low Gain	-12~+12dB	52-76		
4	LPF Cutoff	1.0k~Thru	34-60	table#3	
5	Output Level	0~127	0-127		
6					
7	EQ Mid Frequency	100Hz~10.0kHz	14-54	table#3	
8	EQ Mid Gain	-12~+12dB	52-76		
9	EQ Mid Width	1.0~12.0	10-120		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		
11	Edge(Clip Curve)	0~127	0-127	mild~sharp	
12					
13					
14					
15					
16					

COMP+DIST (variation, Insertion1-4 block)*4 **MSB = 73, LSB = 1, 16**

No.	Parameter	Display	Value	See Table	Control
1	Drive	0~127	0-127		●
2	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
3	EQ Low Gain	-12~+12dB	52-76		
4	LPF Cutoff	1.0k~Thru	34-60	table#3	
5	Output Level	0~127	0-127		
6					
7	EQ Mid Frequency	100Hz~10.0kHz	14-54	table#3	
8	EQ Mid Gain	-12~+12dB	52-76		
9	EQ Mid Width	1.0~12.0	10-120		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		
11	Edge(Clip Curve)	0~127	0-127	mild~sharp	
12	Attack	1ms~40ms	0-19	table#8	
13	Release	10ms~680ms	0-15	table#9	
14	Threshold	-48dB~-6dB	79-121		
15	Ratio	1.0~20.0	0-7	table#10	
16					

STEREO DISTORTION (variation, Insertion1-4 block)*4 **MSB = 73, LSB = 8**
STEREO OVER DRIVE (variation, Insertion1-4 block)*4 **MSB = 74, LSB = 8**

No.	Parameter	Display	Value	See Table	Control
1	Drive	0~127	0-127		●
2	EQ Low Frequency	32-2.0kHz	4-40	table#3	
3	EQ Low Gain	-12~+12dB	52-76		
4	LPF Cuttoff	1kHz-Thru	34-60		
5	Output Level		0-127		
6					
7	EQ Mid Frequency	100~10.0kHz	14-54	table#3	
8	EQ Mid Gain	-12~+12dB	52-76		
9	EQ Mid Width	1~12	10-120		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		
11	Edge(Clip Curve)	0~127	0-127		
12					
13					
14					
15					
16					

AMP SIMULATOR (variation, insertion block) **MSB = 75, LSB = 0, 16, 17, 22, 23, 24, 25**

No.	Parameter	Display	Value	See Table	Control
1	Drive	0~127	0-127		●
2	AMP Type	Off, Stack, Combo, Tube	0-3		
3	LPF Cutoff	1.0k~Thru	34-60	table#3	
4	Output Level	0~127	0-127		
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		
11	Edge(Clip Curve)	0~127	0-127	mild~sharp	
12					
13					
14					
15					
16					

STEREO AMP SIMULATOR (variation, Insertion1-4 block)*4 **MSB = 75, LSB = 8, 18, 19, 20, 21**

No.	Parameter	Display	Value	See Table	Control
1	Drive	0~127	0-127		●
2	AMP Type	Off, Stack, Combo, Tube	0-3		
3	LPF Cuttoff	1kHz-Thru	34-60		
4	Output Level	0~127	0-127		
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		
11	Edge(Clip Curve)	0~127	0-127		
12					
13					
14					
15					
16					

3BAND EQ(MONO) (variation, insertion block) **MSB = 76**

No.	Parameter	Display	Value	See Table	Control
1	EQ Low Gain	-12~+12dB	52-76		
2	EQ Mid Frequency	100Hz~10.0kHz	14-54	table#3	
3	EQ Mid Gain	-12~+12dB	52-76		
4	EQ Mid Width	1.0~12.0	10-120		
5	EQ High Gain	-12~+12dB	52-76		
6	EQ Low Frequency	50Hz~2.0kHz	8-40	table#3	
7	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
8					
9					
10					
11					
12					
13					
14					
15	Input Mode	mono/stereo	0-1		
16					

2BAND EQ(STEREO) (variation, insertion block) **MSB = 77**

No.	Parameter	Display	Value	See Table	Control
1	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
2	EQ Low Gain	-12~+12dB	52-76		
3	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
4	EQ High Gain	-12~+12dB	52-76		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

AUTO WAH (variation, insertion block) **MSB = 78, LSB = 0, 16, 19, 20**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz~39.7Hz	0-127	table#1	
2	LFO Depth	0~127	0-127		
3	Cutoff Frequency Offset	0~127	0-127		●
4	Resonance	1.0~12.0	10-120		
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		
11	Drive (*5)	0~127	0-127		
12					
13					
14					
15					
16					

AUTO WAH+DIST **MSB = 78, LSB = 1, 17**
AUTO WHA+ODRV (variation, Insertion1-4 block)*5 **MSB = 78, LSB = 2, 18**

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz~39.7Hz	0-127	table#1	
2	LFO Depth	0~127	0-127		
3	Cutoff Frequency Offset	0~127	0-127		●
4	Resonance	1.0~12.0	10-120		
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		
11	Drive	0~127	0-127		
12	EQ Low Gain(distortion)	-12~+12dB	52-76		
13	EQ Mid Gain(distortion)	-12~+12dB	52-76		
14	LPF Cutoff	1.0kHz~thru	34-60	table#3	
15	Output Level	0~127	0-127		
16					

PITCH CHANGE 1 (variation, Insertion1-4 block)*5 **MSB = 80, LSB = 0, 16**

No.	Parameter	Display	Value	See Table	Control
1	Pitch	-24~+24	40-88		
2	Initial Delay	0.1mS~400.0mS	0-127	table#7	
3	Fine 1	-50~+50	14-114		
4	Fine 2	-50~+50	14-114		
5	Feedback Level	-63~+63	1-127		
6					
7					
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	Pan 1	L63~R63	1-127		
12	Output Level 1	0~127	0-127		
13	Pan 2	L63~R63	1-127		
14	Output Level 2	0~127	0-127		
15					
16					

PITCH CHANGE 2 (variation, Insertion1-4 block)*5 **MSB = 80, LSB = 1**

No.	Parameter	Display	Value	See Table	Control
1	Pitch	-24~+24	40-88		
2	Initial Delay	0.1mS~400.0mS	0-127	table#7	
3	Fine 1	-50~+50cent	14-114		
4	Fine 2	-50~+50cent	14-114		
5	Feedback Level	-63~+63	1-127		
6					
7					
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	Pan 1	L63~R63	1-127		
12	Output Level 1	0~127	0-127		
13	Pan 2	L63~R63	1-127		
14	Output Level 2	0~127	0-127		
15					
16					

HARMONIC ENHANCER (variation, Insertion block)*1 **MSB = 81**

No.	Parameter	Display	Value	See Table	Control
1	HPF Cutoff	500Hz~16.0kHz	28-58		
2	Drive	0~127	0-127		
3	Mix Level	0~127	0-127		
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

TOUCH WAH 1 (variation, insertion block)*1 **MSB = 82, LSB = 0**
TOUCH WAH+DIST (variation, Insertion1-4 block)*1 **MSB = 82, LSB = 1, 16**

No.	Parameter	Display	Value	See Table	Control
1	Sensitive	0~127	0-127		
2	Cutoff Frequency Offset	0~127	0-127		●
3	Resonance	1.0~12.0	10-120		
4					
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		
11	Drive	0~127 (var/ins1-4 block)	0-127		
12					
13					
14					
15					
16					

TOUCH WAH 2 (variation, insertion block)*1 **MSB = 82, LSB = 8**
TOUCH WAH+ODRV (variation, Insertion1-4 block)*1 **MSB = 82, LSB = 2, 17, 18, 19**

No.	Parameter	Display	Value	See Table	Control
1	Sensitive	0~127	0-127		
2	Cutoff Frequency Offset	0~127	0-127		●
3	Resonance	1.0~12.0	10-120		
4					
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		
11	Drive	0~127 (var/ins1-4 block)	0-127		
12	EQ Low Gain(distortion)	-12~+12dB (var/ins1-4 block)	52-76		
13	EQ Mid Gain(distortion)	-12~+12dB(var/ins1-4 block)	52-76		
14	LPF Cutoff	1.0kHz~thru(var/ins1-4 block)	34-60	table#3	
15	Output Level	0~127(var/ins1-4 block)	0-127		
16	Release	10~680mS(var/ins1-4 block)	52-67	table#12	

COMPRESSOR (variation, insertion block)*1 **MSB = 83**

No.	Parameter	Display	Value	See Table	Control
1	Attack	1~40ms	0-19	table#8	
2	Release	10~680ms	0-15	table#9	
3	Threshold	-48~-6dB	79-121		
4	Ratio	1.0~20.0	0-7	table#10	
5	Output Level	0~127	0-127		
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

NOISE GATE (variation, insertion block)*1 **MSB = 84**

No.	Parameter	Display	Value	See Table	Control
1	Attack	1~40ms	0-19	table#8	
2	Release	10~680ms	0-15	table#9	
3	Threshold	-72~-30dB	55-97		
4	Output Level	0~127	0-127		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

VOICE CANCEL (variation, Insertion1-4 block)*5 **MSB = 85**

No.	Parameter	Display	Value	See Table	Control
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11	Low Adjust	0~26	0-26		
12	High Adjust	0~26	0-26		
13					
14					
15					
16					

2WAY ROTARY SPEAKER (variation, Insertion1-4 block)*5 **MSB = 86, LSB = 0**

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.0Hz~39.7Hz	0-127	table#1	●
2	Drive Low	0~127	0-127		
3	Drive High	0~127	0-127		
4	Low/High	L63>H~L=H~L<H63	1-127		
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10					
11	Crossover Frequency	100Hz~10.0kHz	14-54	table#3	
12	Mic L-R Angle	0deg~180deg (resolution=3deg.)	0-60		
13					
14					
15					
16					

DIST+2WAY ROTARY SPEAKER (variation, Insertion1-4 block)*5 **MSB = 86, LSB = 1**
OD+2WAY ROTARY SPEAKER (variation, Insertion1-4 block)*5 **MSB = 86, LSB = 2**

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.0-39.7Hz	0-127		●
2	Drive Low	0-127	0-127		
3	Drive High	0-127	0-127		
4	Low/High Balance	L63>H~L=H~L<H=63	1-127		
5					
6	EQ Low Frequency	32-2.0kHz	4-40		
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500~16.0kHz	28-58		
9	EQ High Gain	-12~+12dB	52-76		
10					
11	Crossover Frequency	100~10.0kHz	14-54		
12	Mic L-R Angle	0~180deg	0-60		
13					
14	Drive		0-127		
15	LPF Cuttoff	1kHz-Thru	34-60		
16	Output Level		0-127		

AMP SIM.+2WAY ROTARY SP (variation, Insertion1-4 block)*5 **MSB = 86, LSB = 3**

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.0-39.7Hz	0-127		●
2	Drive Low	0-127	0-127		
3	Drive High	0-127	0-127		
4	Low/High Balance	L63>H~L=H~L<H=63	1-127		
5					
6	EQ Low Frequency	32-2.0kHz	4-40		
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500~16.0kHz	28-58		
9	EQ High Gain	-12~+12dB	52-76		
10					
11	Crossover Frequency	100~10.0kHz	14-54		
12	Mic L-R Angle	0~180deg	0-60		
13	AMP Type	Off, Stack, Combo, Tube (AMPSIM only)	0-3		
14	Drive		0-127		
15	LPF Cuttoff	1kHz-Thru	34-60		
16	Output Level		0-127		

ENSEMBLE DETUNE (chorus, variation, insertion block)*1 **MSB = 87**

No.	Parameter	Display	Value	See Table	Control
1	Detune	-50~+50cent	14-114		
2	Lch Init Delay	0.0mS~50mS	0-127	table#2	
3	Rch Init Delay	0.0mS~50mS	0-127	table#2	
4					
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	EQ Low Frequency	32Hz~2.0kHz (variation, insertion block)	4-40	table#3	
12	EQ Low Gain	-12~+12dB (variation, insertion block)	52-76		
13	EQ High Frequency	500Hz~16.0kHz (variation, insertion block)	28-58	table#3	
14	EQ High Gain	-12~+12dB (variation, insertion block)	52-76		
15					
16					

AMBIENCE (variation, Insertion1-4 block)*5 **MSB = 88**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.0mS~50mS	0-127	table#2	
2	Output Phase	normal/invers	0-1		
3					
4					
5					
6	EQ Low Frequency	32Hz~2.0kHz	4-40	table#3	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	table#3	
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11					
12					
13					
14					
15					
16					

TALKING MODULATION (variation, Insertion1-4 block)*5 **MSB = 93**

No.	Parameter	Display	Value	See Table	Control
1	Vowel	a, i, u, e, o	0-4		●
2	Move speed	1~62	1-62		
3	Drive	0~127	0-127		
4	Output Level	0~127	0-127		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

LO-FI (variation, Insertion1-4 block)*5 **MSB = 94**

No.	Parameter	Display	Value	See Table	Control
1	Sampling Freq Control	44.1kHz-345Hz	0-127	table#13	
2	Word Length	1~127	1-127		
3	Output Gain	-6~+12dB	0-18		
4	LPF Cutoff	63Hz~Thru	10-60	table#3	
5	Filter Type	Thru, PowerBass, Radio, Tel, Clean, Low	0-5		
6	LPF Resonance	1.0~12.0	10-120		
7	Bit Assign	0~6	0-6		
8	Emphasis	Off/On	0-1		
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11					
12					
13					
14					
15	Input Mode	mono/stereo			
16					

DIST+DELAT (variation, Insertion1-4 block)*5
OVERDRIVE+DELAT (variation, Insertion1-4 block)*5 **MSB = 95**

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay Time	0.1~1486.0ms	1-14860		
2	Rch Delay Time	0.1~1486.0ms	1-14860		
3	Delay Feedback Time	0.1~1486.0ms	1-14860		
4	Delay Feedback Level	-63~+63	1-127		
5	Delay Mix	0~127	0-127		
6	Dist Drive	0~127	0-127		
7	Dist Output Level	0~127	0-127		
8	Dist EQ Low Gain	-12~+12dB	52-76		
9	Dist EQ Mid Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11					
12					
13					
14					
15					
16					

COMP+DIST+DELAT (variation, Insertion1-4 block)*5
COMP+OVERDRIVE+DELAT (variation, Insertion1-4 block)*5 **MSB = 96**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1~1486.0ms	1-14860		
2	Delay Feedback Level	-63~+63	1-127		
3	Delay Mix	0~127	0-127		
4	Dist Drive	0~127	0-127		
5	Dist Output Level	0~127	0-127		
6	Dist EQ Low Gain	-12~+12dB	52-76		
7	Dist EQ Mid Gain	-12~+12dB	52-76		
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	Comp. Attack	1ms~40ms	0-19	table#8	
12	Comp. Release	10ms~680ms	0-15	table#9	
13	Comp. Threshold	-48dB~-6dB	79-121		
14	Comp. Ratio	1.0~20.0	0-7	table#10	
15					
16					

WAH+DIST+DELAT (variation, Insertion1-4 block)*5
WAH+OVERDRIVE+DELAT (variation, Insertion1-4 block)*5 **MSB = 97**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1~1486.0ms	1-14860		
2	Delay Feedback Level	-63~+63	1-127		
3	Delay Mix	0~127	0-127		
4	Dist Drive	0~127	0-127		
5	Dist Output Level	0~127	0-127		
6	Dist EQ Low Gain	-12~+12dB	52-76		
7	Dist EQ Mid Gain	-12~+12dB	52-76		
8					
9					
10	Dry/Wet	D63>W~D=W~D<W63	1-127		●
11	Wah Sensitive	0~127	0-127		
12	Wah Cutoff Freq Offset	0~127	0-127		
13	Wah Resonance	1.0~12.0	10-120		
14	Wah Release	10~680ms	52-67	table#12	
15					
16					

V DISTORTION HARD (variation, Insertion1-4 block)*5 **MSB = 98, LSB = 0**
V DISTORTION SOFT (variation, Insertion1-4 block)*5 **MSB = 98, LSB = 2**

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0~100%	0-100		
2	Device	Transister/Vintage Tube/ Dist1/Dist2/Fuzz	0-4		
3	Speaker	Flat/Stack/Combo/Twin/ Radio/Megaphone	0-5		
4	Presence	0~20	0-20		
5	Output Level	0~100%	0-100		
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W~D=W~D<W63	1-127		●
11					
12					
13					
14					
15					
16					

V DISTORTION HARD+DELAY (variation, Insertion1-4 block)*5 **MSB = 98, LSB = 1**
V DISTORTION SOFT+DELAY (variation, Insertion1-4 block)*5 **MSB = 98, LSB = 3**

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0~100%	0-100		
2	Device	Transister/Vintage Tube/ Dist1/Dist2/Fuzz	0-4		
3	Speaker	Flat/Stack/Combo/Twin/ Radio/Megaphone	0-5		
4	Presence	0~20	0-20		
5	Output Level	0~100%	0-100		
6	Delay Time L	0.1ms~1486.0ms	1-14860		
7	Delay Time R	0.1ms~1486.0ms	1-14860		
8	Delay Feedback Time	0.1ms~1486.0ms	1-14860		
9	Delay Feedback Level	-63~+63	1-127		
10	Dry/Wet Balance	D63>W~D=W~D<W63	1-127		●
11	Delay Mix	0~127	0-127		
12					
13					
14					
15					
16					

DUAL ROTOR SPEAKER1,2 (variation, Insertion1-4 block)*5 **MSB = 99**

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed Slow	0.0~2.65Hz	0-63	table#1	
2	Horn Speed Slow	0.0~2.65Hz	0-63	table#1	
3	Rotor Speed Fast	2.69~39.7Hz	64-127	table#1	
4	Horn Speed Fast	2.69~39.7Hz	64-127	table#1	
5	Slow-Fast Time of R	0~127	0-127		
6	Slow-Fast Time of H	0~127	0-127		
7	Drive Low	0~127	0-127		
8	Drive High	0~127	0-127		
9	Low/High Balance	L63>H~L=H~L<H=63	1-127		
10					
11	EQ Low Frequency	32-2.0kH	4-40	table#3	
12	EQ Low Gain	-12~+12dB	52-76		
13	EQ High Frequency	500~16.0kHz	28-58	table#3	
14	EQ High Gain	-12~+12dB	52-76		
15	Mic L-R Angle	0~180deg	0-60		
16	Speed Control	Slow/Fast	0/1		●

DIST+TEMPO DELAY (variation, Insertion1-4 block)*5
OVERDRIVE+TEMPO DELAY (variation, Insertion1-4 block)*5 **MSB = 100**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3~4thx6	0-19	table#14	
2	Delay Feedback Level	-63~+63	1-127		
3	Delay Mix	0~127	0-127		
4	Dist Drive	0~127	0-127		
5	Dist Output Level	0~127	0-127		
6	Dist EQ Low Gain	-12~+12dB	52-76		
7	Dist EQ High Gain	-12~+12dB	52-76		
8	L/R Diffusion	1(-63ms)~64(0ms)~127(63ms)	1-127		
9	Lag	1(-63ms)~64(0ms)~127(63ms)	1-127		
10	Dry/Wet	D63>W~D=W~D<W=63	1-127		●
11					
12					
13					
14					
15					
16					

COMP+DIST+TEMPO DELAY (variation, Insertion1-4 block)*5
COMP+OD+TEMPO DELAY (variation, Insertion1-4 block)*5 **MSB = 101**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3~4thx6	0-19	table#14	
2	Delay Feedback Level	-63~+63	1-127		
3	Delay Mix	0~127	0-127		
4	Dist Drive	0~127	0-127		
5	Dist Output Level	0~127	0-127		
6	Dist EQ Low Gain	-12~+12dB	52-76		
7	Dist EQ High Gain	-12~+12dB	52-76		
8	L/R Diffusion	1(-63ms)~64(0ms)~127(63ms)	1-127		
9	Lag	1(-63ms)~64(0ms)~127(63ms)	1-127		
10	Dry/Wet	D63>W~D=W~D<W=63	1-127		●
11	Comp. Attack	1ms~40ms	0-19		
12	Comp. Release	10ms~680ms	0-15		
13	Comp. Threshold	-48dB~-6dB	79-121		
14	Comp. Ratio	1.0~20.0	0-7		
15					
16					

WAH+DIST+TEMPO DELAY (variation, Insertion1-4 block)*5
WAH+OD+TEMPO DELAY (variation, Insertion1-4 block)*5 **MSB = 102**

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3~4thx6	0-19	table#14	
2	Delay Feedback Level	-63~+63	1-127		
3	Delay Mix	0~127	0-127		
4	Dist Drive	0~127	0-127		
5	Dist Output Level	0~127	0-127		
6	Dist EQ Low Gain	-12~+12dB	52-76		
7	Dist EQ High Gain	-12~+12dB	52-76		
8	L/R Diffusion	1(-63ms)~64(0ms)~127(63ms)	1-127		
9	Lag	1(-63ms)~64(0ms)~127(63ms)	1-127		
10	Dry/Wet	D63>W~D=W~D<W=63	1-127		●
11	Wah Sensitive	0~127	0-127		
12	Wah Cutoff Freq Offset	0~127	0-127		
13	Wah Resonance	1.0~12.0	10-120		
14	Wah Release	10~680mS	52-67		
15					
16					

V DIST HARD+TEMPO DELAY (variation, Insertion1-4 block)*5
V DIST SOFT+TEMPO DELAY (variation, Insertion1-4 block)*5 **MSB = 103**

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0~100%	0-100		
2	Device	Transister/Vintage Tube/ Dist1/Dist2/Fuzz	0-4		
3	Speaker	Flat/Stack/Combo/Twin/ Radio/Megaphone	0-5		
4	Presence	0~20	0-20		
5	Output Level	0~100%	0-100		
6	Delay Time	64th/3~4thx6	0-19	table#14	
7	Delay Feedback Level	-63~+63	1-127		
8	L/R Diffusion	1(-63ms)~64(0ms)~127(63ms)	1-127		
9	Lag	1(-63ms)~64(0ms)~127(63ms)	1-127		
10	Dry/Wet Balance	D63>W~D=W~D<W63	1-127		●
11	Delay Mix	0~127	0-127		
12					
13					
14					
15					
16					

NO EFFECT (reverb, chorus, variation block) **MSB = 0**

No.	Parameter	Display	Value	See Table	Control
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

THRU (variation, insertion block) **MSB = 64**

No.	Parameter	Display	Value	See Table	Control
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Parameter 10 Dry/Wet only affects insertion type effects.

*1 CVP-209/207, PSR-2000 only
*2 CVP-207/209, PSR-2000 variation
CVP-209 insertion 1-4
*3 CVP-205/203, PSR-1000 variation
CVP-207/PSR-2000 Insertion 1-3
CVP-209 insertion 5
*4 CVP-209/207, PSR-2000
*5 CVP-209/207, PSR-2000 only
Variation only (CVP-207/PSR-2000)
Variation, Insertion 1-4 only (CVP-209)
*6 Chorus (CVP-209/207, PSR-2000)
Insertion (CVP-207, PSR-2000)
Insertion 5 (CVP-209)
*7 Variation (CVP-209/207, PSR-2000)
Insertion1-4 (CVP-209)
*8 CVP-205/203, PSR-1000
*9 CVP-209/207, PSR-2000 only
*10 CVP-209/207, PSR-2000 only
Variation only (CVP-207/PSR-2000)
Variation, Insertion 1-5 only(CVP-209)
*11 Variation only(CVP-207/205/203, PSR-2000/1000)
Variation, Insertion 1-4 only (CVP-209)
*12 Reverb only (CVP-205/203, PSR-1000)
Reverb, Variation only (CVP-207/PSR-2000)
Reverb, Variation, Insertion 1-4 only (CVP-209)

Effect Data Assign Table / Effektdaten-Zuordnungstabelle / Tableau d'assignation des données d'effets / Tabla de asignación de datos para efectos (CVP-209/207/205/203, PSR-2000/1000)

Table#1
LFO Frequency

Data	Value	Data	Value	Data	Value	Data	Value
0	0.00	32	1.35	64	2.69	96	8.41
1	0.04	33	1.39	65	2.78	97	8.75
2	0.08	34	1.43	66	2.86	98	9.08
3	0.13	35	1.47	67	2.94	99	9.42
4	0.17	36	1.51	68	3.03	100	9.76
5	0.21	37	1.56	69	3.11	101	10.1
6	0.25	38	1.60	70	3.20	102	10.8
7	0.29	39	1.64	71	3.28	103	11.4
8	0.34	40	1.68	72	3.37	104	12.1
9	0.38	41	1.72	73	3.45	105	12.8
10	0.42	42	1.77	74	3.53	106	13.5
11	0.46	43	1.81	75	3.62	107	14.1
12	0.51	44	1.85	76	3.70	108	14.8
13	0.55	45	1.89	77	3.87	109	15.5
14	0.59	46	1.94	78	4.04	110	16.2
15	0.63	47	1.98	79	4.21	111	16.8
16	0.67	48	2.02	80	4.37	112	17.5
17	0.72	49	2.06	81	4.54	113	18.2
18	0.76	50	2.10	82	4.71	114	19.5
19	0.80	51	2.15	83	4.88	115	20.9
20	0.84	52	2.19	84	5.05	116	22.2
21	0.88	53	2.23	85	5.22	117	23.6
22	0.93	54	2.27	86	5.38	118	24.9
23	0.97	55	2.31	87	5.55	119	26.2
24	1.01	56	2.36	88	5.72	120	27.6
25	1.05	57	2.40	89	6.06	121	28.9
26	1.09	58	2.44	90	6.39	122	30.3
27	1.14	59	2.48	91	6.73	123	31.6
28	1.18	60	2.52	92	7.07	124	33.0
29	1.22	61	2.57	93	7.40	125	34.3
30	1.26	62	2.61	94	7.74	126	37.0
31	1.30	63	2.65	95	8.08	127	39.7

Table#2
Modulation Delay Offset

Data	Value	Data	Value	Data	Value	Data	Value
0	0.0	32	3.2	64	6.4	96	9.6
1	0.1	33	3.3	65	6.5	97	9.7
2	0.2	34	3.4	66	6.6	98	9.8
3	0.3	35	3.5	67	6.7	99	9.9
4	0.4	36	3.6	68	6.8	100	10.0
5	0.5	37	3.7	69	6.9	101	11.1
6	0.6	38	3.8	70	7.0	102	12.2
7	0.7	39	3.9	71	7.1	103	13.3
8	0.8	40	4.0	72	7.2	104	14.4
9	0.9	41	4.1	73	7.3	105	15.5
10	1.0	42	4.2	74	7.4	106	17.1
11	1.1	43	4.3	75	7.5	107	18.6
12	1.2	44	4.4	76	7.6	108	20.2
13	1.3	45	4.5	77	7.7	109	21.8
14	1.4	46	4.6	78	7.8	110	23.3
15	1.5	47	4.7	79	7.9	111	24.9
16	1.6	48	4.8	80	8.0	112	26.5
17	1.7	49	4.9	81	8.1	113	28.0
18	1.8	50	5.0	82	8.2	114	29.6
19	1.9	51	5.1	83	8.3	115	31.2
20	2.0	52	5.2	84	8.4	116	32.8
21	2.1	53	5.3	85	8.5	117	34.3
22	2.2	54	5.4	86	8.6	118	35.9
23	2.3	55	5.5	87	8.7	119	37.5
24	2.4	56	5.6	88	8.8	120	39.0
25	2.5	57	5.7	89	8.9	121	40.6
26	2.6	58	5.8	90	9.0	122	42.2
27	2.7	59	5.9	91	9.1	123	43.7
28	2.8	60	6.0	92	9.2	124	45.3
29	2.9	61	6.1	93	9.3	125	46.9
30	3.0	62	6.2	94	9.4	126	48.4
31	3.1	63	6.3	95	9.5	127	50.0

Table#3
EQ Frequency

Data	Value	Data	Value
0	THRU(0)	32	800
1	22	33	900
2	25	34	1.0k
3	28	35	1.1k
4	32	36	1.2k
5	36	37	1.4k
6	40	38	1.6k
7	45	39	1.8k
8	50	40	2.0k
9	56	41	2.2k
10	63	42	2.5k
11	70	43	2.8k
12	80	44	3.2k
13	90	45	3.6k
14	100	46	4.0k
15	110	47	4.5k
16	125	48	5.0k
17	140	49	5.6k
18	160	50	6.3k
19	180	51	7.0k
20	200	52	8.0k
21	225	53	9.0k
22	250	54	10.0k
23	280	55	11.0k
24	315	56	12.0k
25	355	57	14.0k
26	400	58	16.0k
27	450	59	18.0k
28	500	60	THRU(20.0k)
29	560		
30	630		
31	700		

Table#4
Reverb Time

Data	Value	Data	Value	Data	Value
0	0.3	32	3.5	64	17.0
1	0.4	33	3.6	65	18.0
2	0.5	34	3.7	66	19.0
3	0.6	35	3.8	67	20.0
4	0.7	36	3.9	68	25.0
5	0.8	37	4.0	69	30.0
6	0.9	38	4.1		
7	1.0	39	4.2		
8	1.1	40	4.3		
9	1.2	41	4.4		
10	1.3	42	4.5		
11	1.4	43	4.6		
12	1.5	44	4.7		
13	1.6	45	4.8		
14	1.7	46	4.9		
15	1.8	47	5.0		
16	1.9	48	5.5		
17	2.0	49	6.0		
18	2.1	50	6.5		
19	2.2	51	7.0		
20	2.3	52	7.5		
21	2.4	53	8.0		
22	2.5	54	8.5		
23	2.6	55	9.0		
24	2.7	56	9.5		
25	2.8	57	10.0		
26	2.9	58	11.0		
27	3.0	59	12.0		
28	3.1	60	13.0		
29	3.2	61	14.0		
30	3.3	62	15.0		
31	3.4	63	16.0		

Table#5
Delay Time (200.0ms)

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	50.5	64	100.8	96	151.2
1	1.7	33	52.0	65	102.4	97	152.8
2	3.2	34	53.6	66	104.0	98	154.4
3	4.8	35	55.2	67	105.6	99	155.9
4	6.4	36	56.8	68	107.1	100	157.5
5	8.0	37	58.3	69	108.7	101	159.1
6	9.5	38	59.9	70	110.3	102	160.6
7	11.1	39	61.5	71	111.9	103	162.2
8	12.7	40	63.1	72	113.4	104	163.8
9	14.3	41	64.6	73	115.0	105	165.4
10	15.8	42	66.2	74	116.6	106	166.9
11	17.4	43	67.8	75	118.2	107	168.5
12	19.0	44	69.4	76	119.7	108	170.1
13	20.6	45	70.9	77	121.3	109	171.7
14	22.1	46	72.5	78	122.9	110	173.2
15	23.7	47	74.1	79	124.4	111	174.8
16	25.3	48	75.7	80	126.0	112	176.4
17	26.9	49	77.2	81	127.6	113	178.0
18	28.4	50	78.8	82	129.2	114	179.5
19	30.0	51	80.4	83	130.7	115	181.1
20	31.6	52	81.9	84	132.3	116	182.7
21	33.2	53	83.5	85	133.9	117	184.3
22	34.7	54	85.1	86	135.5	118	185.8
23	36.3	55	86.7	87	137.0	119	187.4
24	37.9	56	88.2	88	138.6	120	189.0
25	39.5	57	89.8	89	140.2	121	190.6
26	41.0	58	91.4	90	141.8	122	192.1
27	42.6	59	93.0	91	143.3	123	193.7
28	44.2	60	94.5	92	144.9	124	195.3
29	45.7	61	96.1	93	146.5	125	196.9
30	47.3	62	97.7	94	148.1	126	198.4
31	48.9	63	99.3	95	149.6	127	200.0

Table#6
Room Size

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	5.1	64	10.1	96	15.1
1	0.3	33	5.3	65	10.3	97	15.3
2	0.4	34	5.4	66	10.4	98	15.5
3	0.6	35	5.6	67	10.6	99	15.6
4	0.7	36	5.7	68	10.8	100	15.8
5	0.9	37	5.9	69	10.9	101	15.9
6	1.0	38	6.1	70	11.1	102	16.1
7	1.2	39	6.2	71	11.2	103	16.2
8	1.4	40	6.4	72	11.4	104	16.4
9	1.5	41	6.5	73	11.5	105	16.6
10	1.7	42	6.7	74	11.7	106	16.7
11	1.8	43	6.8	75	11.9	107	16.9
12	2.0	44	7.0	76	12.0	108	17.0
13	2.1	45	7.2	77	12.2	109	17.2
14	2.3	46	7.3	78	12.3	110	17.3
15	2.5	47	7.5	79	12.5	111	17.5
16	2.6	48	7.6	80	12.6	112	17.6
17	2.8	49	7.8	81	12.8	113	17.8
18	2.9	50	7.9	82	12.9	114	18.0
19	3.1	51	8.1	83	13.1	115	18.1
20	3.2	52	8.2	84	13.3	116	18.3
21	3.4	53	8.4	85	13.4	117	18.4
22	3.5	54	8.6	86	13.6	118	18.6
23	3.7	55	8.7	87	13.7	119	18.7
24	3.9	56	8.9	88	13.9	120	18.9
25	4.0	57	9.0	89	14.0	121	19.1
26	4.2	58	9.2	90	14.2	122	19.2
27	4.3	59	9.3	91	14.4	123	19.4
28	4.5	60	9.5	92	14.5	124	19.5
29	4.6	61	9.7	93	14.7	125	19.7
30	4.8	62	9.8	94	14.8	126	19.8
31	5.0	63	10.0	95	15.0	127	20.0

Table#7
Delay Time (400.0ms)

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	100.9	64	201.6	96	302.4
1	3.2	33	104.0	65	204.8	97	305.5
2	6.4	34	107.2	66	207.9	98	308.7
3	9.5	35	110.3	67	211.1	99	311.8
4	12.7	36	113.5	68	214.2	100	315.0
5	15.8	37	116.6	69	217.4	101	318.1
6	19.0	38	119.8	70	220.5	102	321.3
7	22.1	39	122.9	71	223.7	103	324.4
8	25.3	40	126.1	72	226.8	104	327.6
9	28.4	41	129.2	73	230.0	105	330.7
10	31.6	42	132.4	74	233.1	106	333.9
11	34.7	43	135.5	75	236.3	107	337.0
12	37.9	44	138.6	76	239.4	108	340.2
13	41.0	45	141.8	77	242.6	109	343.3
14	44.2	46	144.9	78	245.7	110	346.5
15	47.3	47	148.1	79	248.9	111	349.6
16	50.5	48	151.2	80	252.0	112	352.8
17	53.6	49	154.4	81	255.2	113	355.9
18	56.8	50	157.5	82	258.3	114	359.1
19	59.9	51	160.7	83	261.5	115	362.2
20	63.1	52	163.8	84	264.6	116	365.4
21	66.2	53	167.0	85	267.7	117	368.5
22	69.4	54	170.1	86	270.9	118	371.7
23	72.5	55	173.3	87	274.0	119	374.8
24	75.7	56	176.4	88	277.2	120	378.0
25	78.8	57	179.6	89	280.3	121	381.1
26	82.0	58	182.7	90	283.5	122	384.3
27	85.1	59	185.9	91	286.6	123	387.4
28	88.3	60	189.0	92	289.8	124	390.6
29	91.4	61	192.2	93	292.9	125	393.7
30	94.6	62	195.3	94	296.1	126	396.9
31	97.7	63	198.5	95	299.2	127	400.0

Table#8
Compressor Attack Time

Data	Value
0	1
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	10
10	12
11	14
12	16
13	18
14	20
15	23
16	26
17	30
18	35
19	40

Table#9
Compressor Release Time

Data	Value
0	10
1	15
2	25
3	35
4	45
5	55
6	65
7	75
8	85
9	100
10	115
11	140
12	170
13	230
14	340
15	680

Table#10
Compressor Ratio

Data	Value
0	1.0
1	1.5
2	2.0
3	3.0
4	5.0
5	7.0
6	10.0
7	20.0

Table#11
Reverb Width; Depth; Height

Data	Value	Data	Value	Data	Value	Data	Value
0	0.5	32	8.8	64	17.6	96	27.5
1	0.8	33	9.1	65	17.9	97	27.8
2	1.0	34	9.4	66	18.2	98	28.1
3	1.3	35	9.6	67	18.5	99	28.5
4	1.5	36	9.9	68	18.8	100	28.8
5	1.8	37	10.2	69	19.1	101	29.2
6	2.0	38	10.4	70	19.4	102	29.5
7	2.3	39	10.7	71	19.7	103	29.9
8	2.6	40	11.0	72	20.0	104	30.2
9	2.8	41	11.2	73	20.2		
10	3.1	42	11.5	74	20.5		
11	3.3	43	11.8	75	20.8		
12	3.6	44	12.1	76	21.1		
13	3.9	45	12.3	77	21.4		
14	4.1	46	12.6	78	21.7		
15	4.4	47	12.9	79	22.0		
16	4.6	48	13.1	80	22.4		
17	4.9	49	13.4	81	22.7		
18	5.2	50	13.7	82	23.0		
19	5.4	51	14.0	83	23.3		
20	5.7	52	14.2	84	23.6		
21	5.9	53	14.5	85	23.9		
22	6.2	54	14.8	86	24.2		
23	6.5	55	15.1	87	24.5		
24	6.7	56	15.4	88	24.9		
25	7.0	57	15.6	89	25.2		
26	7.2	58	15.9	90	25.5		
27	7.5	59	16.2	91	25.8		
28	7.8	60	16.5	92	26.1		
29	8.0	61	16.8	93	26.5		
30	8.3	62	17.1	94	26.8		
31	8.6	63	17.3	95	27.1		

Table#12
Wah Release Time

Data	Value
52	10.0
53	15.0
54	25.0
55	35.0
56	45.0
57	55.0
58	65.0
59	75.0
60	85.0
61	100.0
62	115.0
63	140.0
64	170.0
65	230.0
66	340.0
67	680.0

Table#13
Sampling Freq Control

Data	Value	Data	Value	Data	Value	Data	Value
0	44.1K	32	1.34K	64	678.0	96	455.0
1	22.1K	33	1.30K	65	668.0	97	450.0
2	14.7K	34	1.26K	66	658.0	98	445.0
3	11.0K	35	1.23K	67	649.0	99	441.0
4	8.8K	36	1.19K	68	639.0	100	437.0
5	7.4K	37	1.16K	69	630.0	101	432.0
6	6.3K	38	1.13K	70	621.0	102	428.0
7	5.5K	39	1.10K	71	613.0	103	424.0
8	4.9K	40	1.08K	72	604.0	104	420.0
9	4.5K	41	1.05K	73	596.0	105	416.0
10	4.0K	42	1.03K	74	588.0	106	412.0
11	3.7K	43	1.00K	75	580.0	107	408.0
12	3.4K	44	980.0	76	573.0	108	405.0
13	3.2K	45	959.0	77	565.0	109	401.0
14	2.9K	46	938.0	78	558.0	110	397.0
15	2.8K	47	919.0	79	551.0	111	394.0
16	2.6K	48	900.0	80	544.0	112	390.0
17	2.5K	49	882.0	81	538.0	113	387.0
18	2.3K	50	865.0	82	531.0	114	383.0
19	2.2K	51	848.0	83	525.0	115	380.0
20	2.1K	52	832.0	84	519.0	116	377.0
21	2.0K	53	817.0	85	513.0	117	374.0
22	1.92K	54	802.0	86	507.0	118	371.0
23	1.84K	55	788.0	87	501.0	119	368.0
24	1.76K	56	774.0	88	496.0	120	364.0
25	1.70K	57	760.0	89	490.0	121	361.0
26	1.63K	58	747.0	90	485.0	122	359.0
27	1.58K	59	735.0	91	479.0	123	356.0
28	1.52K	60	723.0	92	474.0	124	353.0
29	1.47K	61	711.0	93	469.0	125	350.0
30	1.42K	62	700.0	94	464.0	126	347.0
31	1.38K	63	689.0	95	459.0	127	345.0

Table#14
Tempo Delay

Data	Value	Data	Value	Data	Value
0	64th/3	32	4thX19	64	4thX51
1	64th.	33	4thX20	65	4thX52
2	32th	34	4thX21	66	4thX53
3	32th/3	35	4thX22	67	4thX54
4	32th.	36	4thX23	68	4thX55
5	16th	37	4thX24	69	4thX56
6	16th/3	38	4thX25	70	4thX57
7	16th.	39	4thX26	71	4thX58
8	8th	40	4thX27	72	4thX59
9	8th/3	41	4thX28	73	4thX60
10	8th.	42	4thX29	74	4thX61
11	4th	43	4thX30	75	4thX62
12	4th/3	44	4thX31	76	4thX63
13	4th.	45	4thX32	77	4thX64
14	2nd	46	4thX33		
15	2nd/3	47	4thX34		
16	2nd.	48	4thX35		
17	4thX4	49	4thX36		
18	4thX5	50	4thX37		
19	4thX6	51	4thX38		
20	4thX7	52	4thX39		
21	4thX8	53	4thX40		
22	4thX9	54	4thX41		
23	4thX10	55	4thX42		
24	4thX11	56	4thX43		
25	4thX12	57	4thX44		
26	4thX13	58	4thX45		
27	4thX14	59	4thX46		
28	4thX15	60	4thX47		
29	4thX16	61	4thX48		
30	4thX17	62	4thX49		
31	4thX18	63	4thX50		

#8-10, 12-14: CVP-209/207, PSR-2000

Harmony/Echo Type List
Liste der Harmony/Echo-Effekttypen
Liste des types d'harmonie/d'écho
Lista de tipos de ecos/armonías
(PSR-2000/1000)

STANDARD DUET
STANDARD TRIO
FULL CHORD
ROCK DUET
COUNTRY DUET
COUNTRY TRIO
BLOCK
4-WAY CLOSE 1
4-WAY CLOSE 2
4-WAY OPEN
1+5
OCTAVE
STRUM
MULTI ASSIGN
ECHO
TREMOLO
TRILL

Vocal Harmony Type List
Liste der Vocal-Harmony-Effekttypen
Liste des types d'harmonie vocale
Lista de tipos de armonía
(PSR-2000)

Display Name	Harmony Type	Mode
Std Duet	Standard Duet	Chordal/Vocoder
Girl Duet	Girl in Duet	Chordal/Vocoder
Lisa&Tina	Lisa and Tina	Chordal/Vocoder
Sing B+G	Sing B+G	Chordal/Vocoder
Dream Girls	Dream Girls	Chordal/Vocoder
MenChoir	Men Choir	Chordal/Vocoder
WomenChoir	Women Choir	Chordal/Vocoder
ClosedChoir	Closed Choir	Chordal/Vocoder
MixedChoir	Mixed Choir	Chordal/Vocoder
CountryMen	Country Men	Chordal/Vocoder
CntryGirls	Country Girls	Chordal/Vocoder
Barbershop	Barbershop	Chordal/Vocoder
JazzMenCho	JazzMenChoir	Chordal/Vocoder
J_WomenCho	JazzWomenCho	Chordal/Vocoder
J_CloseCho	JazzClosedCho	Chordal/Vocoder
J_MixedCho	JazzMixedCho	Chordal/Vocoder
DiatncJazz	Diatonic Jazz	Chordal/Vocoder
DiatncGirl	Diatonic Girl	Chordal/Vocoder
ACapellBoy	A Capella Boy	Chordal/Vocoder
ACapellaMix	A Capella Mix	Chordal/Vocoder
ACapellaDia	A Capella Dia	Chordal/Vocoder
FalsetDuet	Falsetto Duet	Chordal/Vocoder
FalsettTrio	Falsetto Trio	Chordal/Vocoder
FalsettoDia	Falsetto Dia	Chordal/Vocoder
FalsetJazz	Falsetto Jazz	Chordal/Vocoder
FalACapella	Fal A Capella	Chordal/Vocoder
2UnisonLow	2 Unison Low	Chordal/Vocoder
2UnisonHigh	2 Unison High	Chordal/Vocoder
3UnisonLow	3 Unison Low	Chordal/Vocoder
3UnisonHigh	3 Unison High	Chordal/Vocoder
Voice&Inst	Voice & Inst	Chordal/Vocoder
ChordalXG	ChordalXG	Chordal/Vocoder
VocodAutoU	Vocoder Auto Upper	Chordal/Vocoder
VocodAutoL	Vocoder Auto Lower	Chordal/Vocoder
VocodModeU	Vocoder Mode Upper	Chordal/Vocoder
VocodModeL	Vocoder Mode Lower	Chordal/Vocoder
VocodGirlU	Vocoder Girl Upper	Chordal/Vocoder
VocodGirlL	Vocoder Girl Lower	Chordal/Vocoder
VocodPichU	Vocoder Pitch Upper	Chordal/Vocoder
VocodPichL	Vocoder Pitch Lower	Chordal/Vocoder
KaraokAuto	Karaoke Auto	Chordal/Vocoder
KaraokMode	Karaoke Mode	Chordal/Vocoder
KaraokGirl	Karaoke Girl	Chordal/Vocoder
KaraokPich	Karaoke Pitch	Chordal/Vocoder
VocoderXG	VocoderXG	Chordal/Vocoder
SingBass	Sing the Bass	Chromatic
SpdyMouse	Speedy Mouse	Chromatic
ChromatXG	ChromaticXG	Chromatic
DetuneXG	DetuneXG	Detune
Thru	Thru	-

Vocal harmony types that have "Chordal/Vocoder" in the Mode column can be used in either Chordal or Vocoder Mode.

Vocal Harmony Parameter List
Liste der Vocal-Harmony-Parameter
Liste des paramètres d'harmonie vocale
Lista de parámetros de armonía vocal
(PSR-2000)

Chordal Type/Vocoder Type	Determines how the harmony notes are applied.
Harmony Gender Type	Can be set to "Off" or "Auto". When "Auto", the gender of the harmony sound is changed automatically.
Lead Gender Type	Determines whether and how the gender of the lead vocal sound (i.e., the direct microphone sound) will be changed. When "Off" no gender change occurs. When "Unison", "Male" or "Female" is selected the corresponding gender change is applied to the lead vocal. (In this case the number of harmony notes which can be produced in addition to the lead vocal is reduced to one.)
Lead Gender Depth	Adjusts the degree of lead vocal gender change produced when one of the Lead Gender Types (above) is selected.
Lead Pitch Correction	When "Correct" is selected the pitch of the lead vocal is shifted in precise semitone steps. This parameter is only effective when one of the Lead Gender Types is selected.
Auto Upper Gender Threshold	Gender change will occur when the harmony pitch reaches or exceeds the specified number of semitones above the lead vocal pitch.
Auto Lower Gender Threshold	Gender change will occur when the harmony pitch reaches or exceeds the specified number of semitones below the lead vocal pitch.
Upper Gender Depth	Adjusts the degree of gender change applied to harmony notes higher than the Auto Upper Gender Threshold.
Lower Gender Depth	Adjusts the degree of gender change applied to harmony notes lower than the Auto Lower Gender Threshold.
Vibrato Depth	Sets the depth of vibrato applied to the harmony sound. Also affects the lead vocal sound if a Lead Gender Type is selected.
Vibrato Rate	Sets the speed of the vibrato effect.
Vibrato Delay	Specifies the length of the delay before the vibrato effect begins when a note is produced.
Harmony1 Volume	Sets the volume of the first harmony note.
Harmony2 Volume	Sets the volume of the second harmony note.
Harmony1 Pan	Specifies the stereo (pan) position of the first harmony note. When "Random" is selected the stereo position of the sound will change randomly whenever the keyboard is played.
Harmony2 Pan	Specifies the stereo (pan) position of the second harmony note. When "Random" is selected the stereo position of the sound will change randomly whenever the keyboard is played.
Harmony1 Detune	Detunes the first harmony note by the specified number of cents.
Harmony2 Detune	Detunes the second harmony note by the specified number of cents.
Pitch to Note	When "ON" the lead vocal sound "plays" the PSR-2000 tone generator system. (However, dynamic changes in the vocal sound do not affect the volume of the tone generator.)
Pitch to Note Part	Determines which of the PSR-2000 parts will be controlled by the lead vocal when the Pitch to Note parameter is "ON".

Parameter Chart / Parametertabelle / Tableau des paramètres / Gráfico de parámetros (CVP-209/207/205/203, PSR-2000/1000)

Settings are saved/called up for each type.

Data Type	The data is saved…	The data is called up…	Saved Location
Setup	When you change settings in a display page and then exit from the page.	When you turn off the power and then turn on the power.	System area of the internal memory (Flash Memory)
Voice	When you change settings in the Voice Set display and then save the data as Voice file.	When you call up a voice.	Voice File
Song	When you save the recorded or edited (current) song as a Song file.	When you call up a song, play a song or move the song position.	Song File
Style	When you save the recorded or edited data as a Style file.	When you call up a style.	Style File
OTS	When you memorize settings with the REGISTARATION buttons and then save the current style as a Style file.	When you call up an OTS by pressing one of OTS buttons.	
Regist.	When you memorize settings with the REGISTARATION buttons and then save the data as a Registaration Bank File.	When you call up an Regist. by pressing one of REGISTRATION MEMORY buttons.	Registration Bank File

If parameters belonging to more than one type are set, the new settings take priority over the old.

O: Memorized
X: Not Memorized

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
MainWindow											
Transpose	X	X	-	X	-	X	X	O	Tune/Trans	-	
UpperOctave	X	X	-	X	-	X	X	O	Voice	-	PSR only
SplitPoint(Accomp)	O	X	-	O	Guide Setting	X	X	O	Style	Split	
SplitPoint(Left)	O	X	-	X	-	X	X	O	Style	Split	
SongFile	X	X	-	X	-	X	X	O	Song	-	
StyleFile	X	X	-	O	-	X	X	O	Style	-	
IntroEndingSection	X	X	-	X	-	O	X	X	-	-	
VoiceFile (Main, Layer, Left)	X	X	-	X	-	X	X	X	-	-	The data that is saved to Regist./OTS is not actual Voice, but Program Change.
MultiPadFile	X	X	-	O	Keyboard Voice	X	O	O	MultiPad	-	PSR only
RegistrationBankFile	X	X	-	X	-	X	X	X	-	-	
PartSelect	X	X	-	X	-	X	X	X	-	-	
PartOnOff(Main, Layer)	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	CVP Main Part is always on.
PartOnOff(Left)	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
BalancePopup											
SongVolume	X	X	-	X	-	X	X	O	Song	-	
StyleVolume	X	X	-	O	-	X	X	O	Style	-	
M.PadVolume	X	X	-	O	Keyboard Voice	X	O	O	MultiPad	-	PSR only
MicVolume	X	X	-	O	Mic. Setting	X	X	O	Mic	-	CVP-209/207/205, PSR-2000 only
MainVolume	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	
LeftVolume	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
LayerVolume	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	
Channel OnOffPopup											
ChannelOnOff(Song)	X	X	-	X	-	X	X	X	-	-	For songs that have no channel on/off message, all are set to on.
ChannelOnOff(Style)	X	X	-	O	-	O	X	O	Style	-	
VoiceEffect											
Touch	X	X	-	X	-	X	X	O	Voice	-	PSR only
Sustain	X	X	-	X	-	X	X	O	Voice	-	PSR only
Reverb	O	X	-	X	-	X	X	X	-	-	CVP only
LeftHold	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
Dsp(Main, Layer)	X	O	Effects	O	Keyboard Voice	X	O	O	Voice	-	
Dsp(Left)	X	O	Effects	O	Keyboard Voice	X	O	O	Style	-	
Variation(Main, Layer)	X	O	Effects	O	Keyboard Voice	X	O	O	Voice	-	
Variation(Left)	X	O	Effects	O	Keyboard Voice	X	O	O	Style	-	
Harmony/Echo	X	X	-	O	Keyboard Voice	X	O	O	Harmony	-	
Poly/Mono(Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Poly/Mono(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Registration											
FreezeOnOff	X	X	-	X	-	X	X	X	-	-	
RegistMemoryPopupSetting	O	X	-	X	-	X	X	X	-	-	Filter settings when registering Registration.
RegistNumber	X	X	-	X	-	X	X	X	-	-	
RegistContentsName	X	X	-	X	-	X	X	O	-	-	
Piano (CVP)											
PianoLock	O	X	-	X	-	X	X	X	-	-	
Menu>Function											
MasterTune/ScaleTune											
MasterTune											
MasterTune	O	X	-	X	-	X	X	X	-	-	
ScaleTune											
Scale	X	X	-	X	-	X	X	O	Scale	-	
Tune	X	X	-	X	-	X	X	O	Scale	-	
BaseNote	X	X	-	X	-	X	X	O	Scale	-	
SongSetting											
GuideLampOn/Off (CVP)	O	X	-	X	-	X	X	X	-	-	
GuideLampTiming (CVP)	O	X	-	O	Guide Setting	X	X	X	-	-	Reset to its default setting when song data doesn't include this data.
Guide Mode (CVP)	O	X	-	O	Guide Setting	X	X	X	-	-	Reset to its default setting when song data doesn't include this data.
QuickStart	O	X	-	X	-	X	X	X	-	-	
SongChainPlay	O	X	-	X	-	X	X	X	-	-	
Channel Setting											
Track1 Channel	O	X	-	O	-	X	X	X	-	-	
Track2 Channel	O	X	-	O	-	X	X	X	-	-	
Vocal Harmony Channel →	Mic>MicSetup>VH Song Track										
Auto Ch Set	O	X	-	X	-	X	X	X	-	-	
Phrase Mark	X	X	-	X	-	X	X	X	-	-	
Lyrics Language	O	X	-	O	Lyrics Language	X	X	X	-	-	
StyleSetting/SplitPoint/ChordFingering											
StyleSetting/SplitPoint											
StopAcmp	O	X	-	X	-	X	X	X	-	-	
OTSLinkTiming	O	X	-	X	-	X	X	X	-	-	
SynchroStopWindow	O	X	-	X	-	X	X	X	-	-	
AccompTouch	O	X	-	X	-	X	X	X	-	-	
SectionSet	O	X	-	X	-	X	X	X	-	-	
SplitPoint(Accomp) →	MainWindow										
SplitPoint(Left) →	MainWindow										

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
ChordFingering											
FingeringType	O	X	-	X	-	X	X	O	Style	O	
TutorRoot	X	X	-	X	-	X	X	X	-	-	
TutorType	X	X	-	X	-	X	X	X	-	-	
Controller											
Pedal											
PedalType	X	O (Left only)	LPDL	O (Left only)	Keyboard Voice	X	O (Left only)	O	Pedal	-	
PedalSettings	X	O (Left only)	LPDL	O (Left only)	Keyboard Voice	X	O (Left only)	O	Pedal	-	
PedalTypeDefaultSetting	X	X	X	X	-	X	X	X	X	-	
PedalPolarity	O	X	-	X	-	X	X	X	-	-	
Keyboard/Panel											
TouchSense	O	X	-	X	-	X	X	X	-	-	
TouchOffLevel	X	X	-	X	-	X	X	O	Voice	-	
TouchOnOff	X	X	-	X	-	X	X	O	Voice	-	
ModulationWheel(PSR)	X	X	-	X	-	X	X	O	Voice	-	PSR only
TransposeAssign	X	X	-	X	-	X	X	X	-	-	
Regist.Sequence/Freeze/VoiceSet											
RegistrationSequence											
RegistSequenceData	X	X	-	X	-	X	X	O	-	-	Memorized as a single Registration Bank file.
RegistSequenceEnable	O	X	-	X	-	X	X	X	-	-	
Regist(+)Pedal	O	X	-	X	-	X	X	X	-	-	
Regist(-)Pedal	O	X	-	X	-	X	X	X	-	-	
SequenceEnd	X	X	-	X	-	X	X	O	-	-	Memorized as a single Registration Bank file.
Freeze											
FreezeGroupSetting	O	X	-	X	-	X	X	X	-	-	
VoiceSet											
VoiceSetEnable Main	O	X	-	X	-	X	X	X	-	-	
VoiceSetEnable Layer	O	X	-	X	-	X	X	X	-	-	
VoiceSetEnable Left	O	X	-	X	-	X	X	X	-	-	
Harmony/Echo											
Type	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
Volume	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
Speed	X	O	Harm	O	Keyboard Voice (Included in Type)	X	O	O	Harm	-	
Assign	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
ChordNoteOnly	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
TouchLimit	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
Utility											
Configuration											
Speaker	O	X	-	X	-	X	X	X	-	-	
DisplayVoiceNumber	O	X	-	X	-	X	X	X	-	-	
MetronomeVolume	O	X	-	X	-	X	X	X	-	-	
MetronomeSound	O	X	-	X	-	X	X	X	-	-	
TimeSignature	X	X	-	O	-	O	X	X	-	-	
ParameterLock	O	X	-	X	-	X	X	X	-	-	
TapCountPercussion	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
TapCountVelocity	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
LCDContrast(CVP-209/207)	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
LCDBrightness	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
FadeInTime	O	X	-	X	-	X	X	X	-	-	
FadeOutTIme	O	X	-	X	-	X	X	X	-	-	
FadeOutHoldTime	O	X	-	X	-	X	X	X	-	-	
Disk											
FloppyDiskSongAutoOpen	O	X	-	X	-	X	X	X	-	-	
Owner											
OwnerName	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
Language	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
MainPicture	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
SystemReset											
FactoryResetSetting	X	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
MIDI											
System											
Local Control	X	X	-	X	-	X	X	X	-	-	
Clock	X	X	-	X	-	X	X	X	-	-	
Transmit Clock	X	X	-	X	-	X	X	X	-	-	
Receive Transpose	X	X	-	X	-	X	X	X	-	-	
Receive Start/Stop	X	X	-	X	-	X	X	X	-	-	
SysEx Transmit	X	X	-	X	-	X	X	X	-	-	
SysEx Receive	X	X	-	X	-	X	X	X	-	-	
Chord SysEx Transmit	X	X	-	X	-	X	X	X	-	-	
Chord SysEx Receive	X	X	-	X	-	X	X	X	-	-	
Transmit											
Part (Ch1~16)	X	X	-	X	-	X	X	X	-	-	
Filter (Ch1~16)	X	X	-	X	-	X	X	X	-	-	
Receive											
Mode(Ch1~32)	X	X	-	X	-	X	X	X	-	-	
Filter (Ch1~32)	X	X	-	X	-	X	X	X	-	-	
Root	X	X	-	X	-	X	X	X	-	-	
Chord Detect	X	X	-	X	-	X	X	X	-	-	
MIDI Template											
Template No.	O	X	-	X	-	X	X	X	-	-	
Template Name	X	X	-	X	-	X	X	X	-	-	
VideoOut(CVP-209/207/205)											
NTSC/PAL	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
Size(CVP-205)	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
ScreenContent(CVP-209/207)	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
CharactrorColor(CVP-205)	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
BackgroundColor(CVP-205)	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
Lyrics											
BackGround(Panel Setting)	O	X	-	X	Lyrics Language	X	X	X	-	-	Cannot be reset with Factory Reset.
BackGround(Song Setting)	X	X	-	O	Lyrics Language	X	X	X	-	-	Reset to default background with Factory Reset.
MusicScore (CVP-209/207/205, PSR-2000)											
Left on/off	O	X	-	O	Score Setting	X	X	X	-	-	
Right on/off	O	X	-	O	Score Setting	X	X	X	-	-	
Lyric on/off	O	X	-	O	Score Setting	X	X	X	-	-	
Chord on/off	O	X	-	O	Score Setting	X	X	X	-	-	
NoteName on/off	O	X	-	O	Score Setting	X	X	X	-	-	
Size	O	X	-	O	Score Setting	X	X	X	-	-	

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
Left ch.	O	X	-	O	Score Setting	X	X	X	-	-	
Right ch.	O	X	-	O	Score Setting	X	X	X	-	-	
KeySignature	X	X	-	O	Score Setting	X	X	X	-	-	
Quantize	O	X	-	O	Score Setting	X	X	X	-	-	
NoteName	O	X	-	O	Score Setting	X	X	X	-	-	
ColorNote	O	X	-	O	Score Setting	X	X	X	-	-	
Song											
Track1, 2 On/Off	X	X	-	O	Guide Setting	X	X	X	-	-	Setting is linked to Channel on/off.
ExtraTracks On/Off	X	X	-	X	-	X	X	X	-	-	Setting is linked to Channel on/off.
Synchro Start	X	X	-	X	-	X	X	X	-	-	
StartStop	X	X	-	X	-	X	X	X	-	-	
A-B Repeat	X	X	-	X	-	X	X	X	-	-	
DigitalStudio>DigitalRecording>Song Creator											
Rec Mode											
Rec Start	X	X	-	X	-	X	X	X	-	-	
PunchInAt	X	X	-	X	-	X	X	X	-	-	
Rec Stop	X	X	-	X	-	X	X	X	-	-	
PunchOutAt	X	X	-	X	-	X	X	X	-	-	
Pedal Punch In/Out	X	X	-	X	-	X	X	X	-	-	
Quantize											
Track	X	X	-	X	-	X	X	X	-	-	
Size	X	X	-	X	-	X	X	X	-	-	
Strength	X	X	-	X	-	X	X	X	-	-	
Delete	X	X	-	X	-	X	X	X	-	-	
Mix											
Source1	X	X	-	X	-	X	X	X	-	-	
Source2	X	X	-	X	-	X	X	X	-	-	
Destination	X	X	-	X	-	X	X	X	-	-	
Channel Transpose	X	X	-	X	-	X	X	X	-	-	
SetUp	O	X	-	X	-	X	X	X	-	-	
Filter											
Main Filter	O	X	-	X	-	X	X	X	-	-	
Control Change Filter	O	X	-	X	-	X	X	X	-	-	
Accompaniment Filter	O	X	-	X	-	X	X	X	-	-	
Tempo											
Tempo	X	X	-	O	-	O	X	O	Tempo	-	
Transpose →	MainWindow										
UpperOctave →	MainWindow										
MultiPad (PSR)											
Multi Pad ContentsName	X	X	-	X	-	X	X	X	-	-	
DigitalStudio>DigitalRecording>Multi Pad Creator											
Repeat	X	X	-	X	-	X	X	X	-	-	
Chord Match	X	X	-	X	-	X	X	X	-	-	
Filter											
Main Filter	O	X	-	X	-	X	X	X	-	-	
Control Change Filter	O	X	-	X	-	X	X	X	-	-	
DigitalStudio>DigitalRecording>Style Creator											
Basic											
Section	X	X	-	X	-	X	X	X	-	-	
Pattern Length	X	X	-	X	-	O	X	X	-	-	
Tempo	X	X	-	X	-	O	X	X	-	-	
Beat	X	X	-	X	-	O	X	X	-	-	
Assembly											
Source Pattern	X	X	-	X	-	X	X	X	-	-	
Section	X	X	-	X	-	X	X	X	-	-	
Part	X	X	-	X	-	X	X	X	-	-	
Play Type	X	X	-	X	-	X	X	X	-	-	
Groove											
Original Beat	X	X	-	X	-	X	X	X	-	-	
Beat Converter	X	X	-	X	-	X	X	X	-	-	
Swing	X	X	-	X	-	X	X	X	-	-	
Fine	X	X	-	X	-	X	X	X	-	-	
Dynamics											
Part	X	X	-	X	-	X	X	X	-	-	
Accent Type	X	X	-	X	-	X	X	X	-	-	
Strength	X	X	-	X	-	X	X	X	-	-	
Expand/Comp.	X	X	-	X	-	X	X	X	-	-	
Boost/Cut	X	X	-	X	-	X	X	X	-	-	
Quantize											
Part	X	X	-	X	-	X	X	X	-	-	
Size	X	X	-	X	-	X	X	X	-	-	
Strength	X	X	-	X	-	X	X	X	-	-	
Velocity Change											
Part	X	X	-	X	-	X	X	X	-	-	
Boost/Cut	X	X	-	X	-	X	X	X	-	-	
Measure Copy											
Part	X	X	-	X	-	X	X	X	-	-	
Measure Top	X	X	-	X	-	X	X	X	-	-	
Measure Last	X	X	-	X	-	X	X	X	-	-	
Destination	X	X	-	X	-	X	X	X	-	-	
Measure Clear											
Part	X	X	-	X	-	X	X	X	-	-	
Measure Top	X	X	-	X	-	X	X	X	-	-	
Measure Last	X	X	-	X	-	X	X	X	-	-	
Remove Event											
Part	X	X	-	X	-	X	X	X	-	-	
Event	X	X	-	X	-	X	X	X	-	-	
Parameter											
Part	X	X	-	X	-	X	X	X	-	-	
Source Root	X	X	-	X	-	O	X	X	-	-	
Source Chord	X	X	-	X	-	O	X	X	-	-	
NTR	X	X	-	X	-	O	X	X	-	-	
NTT	X	X	-	X	-	O	X	X	-	-	
High Key	X	X	-	X	-	O	X	X	-	-	
Note Limit	X	X	-	X	-	O	X	X	-	-	
RTR	X	X	-	X	-	O	X	X	-	-	
Filter											
Main Filter	O	X	-	X	-	X	X	X	-	-	
Control Change Filter	O	X	-	X	-	X	X	X	-	-	

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
Style											
AccompanimentOnOff	X	X	-	X	-	X	O(On)	O	Style	-	
AutoFillOnOff	O	X	-	X	-	X	X	X	-	-	
OTSLink	O	X	-	X	-	X	X	X	-	-	
Section	X	X	-	O	-	X	X	O	Style	-	
SynchroStart	X	X	-	X	-	X	O(On)	X	-	-	
SynchroStop	X	X	-	X	-	X	X	X	-	-	
StartStop	X	X	-	O	-	X	X	X	-	-	
MusicFinder											
SortKind	O	X	-	X	-	X	X	X	-	-	
SortOrder	O	X	-	X	-	X	X	X	-	-	
TempoLock	O	X	-	X	-	X	X	X	-	-	
Search1/2											
Music	O	X	-	X	-	X	X	X	-	-	
Keyword	O	X	-	X	-	X	X	X	-	-	
FileNumber	O	X	-	X	-	X	X	X	-	-	
Beat	O	X	-	X	-	X	X	X	-	-	
SearchArea	O	X	-	X	-	X	X	X	-	-	
Tempo	O	X	-	X	-	X	X	X	-	-	
Genre	O	X	-	X	-	X	X	X	-	-	
Search results	X	X	-	X	-	X	X	X	-	-	
Record(=Property settings)	X	X	-	X	-	X	X	X	-	-	
Mic (CVP-209/207, PSR-2000)											
VocalHarmonyOnOff	X	X	-	O	Mic. Setting	X	X	O	Mic	Mic	
TalkOnOff	X	X	-	X	-	X	X	X	-	-	
EffectOnOff	X	X	-	O	Mic. Setting	X	X	O	Mic	Mic	
VHType	X	X	-	O	Mic. Setting	X	X	O	Mic	Mic	
VHParameters	X	X	-	O	Mic. Setting	X	X	X	-	Mic	Current VH Type settings and Type name
MicSetting (CVP-209/207, PSR-2000)											
OverallSetting											
EQ Low Freq.	O	X	-	X	-	X	X	X	-	-	
EQ Low Gain	O	X	-	X	-	X	X	X	-	-	
EQ Mid Freq.	O	X	-	X	-	X	X	X	-	-	
EQ Mid Gain	O	X	-	X	-	X	X	X	-	-	
EQ High Freq.	O	X	-	X	-	X	X	X	-	-	
EQ High Gain	O	X	-	X	-	X	X	X	-	-	
Noise Gate SW	O	X	-	X	-	X	X	X	-	-	
Noise Gate TH	O	X	-	X	-	X	X	X	-	-	
Compressow SW	O	X	-	X	-	X	X	X	-	-	
Compressor TH	O	X	-	X	-	X	X	X	-	-	
Compressor RAT	O	X	-	X	-	X	X	X	-	-	
Compressor OUT	O	X	-	X	-	X	X	X	-	-	
VH Song Track Mute	X	X	-	X	-	X	X	O	Mic	Mic	
VH Song Track	X	X	-	X	-	X	X	O	Mic	Mic	
VH Keyboard	X	X	-	O	Mic. Setting	X	X	O	Mic	Mic	
VH Balance	X	X	-	X	-	X	X	O	Mic	Mic	
VH Mode	X	X	-	X	-	X	X	O	Mic	Mic	
VH Chord Detect	X	X	-	X	-	X	X	O	Mic	Mic	
Mute	X	X	-	X	-	X	X	X	-	-	
MicVol →	BalancePoup>MicVolume										
TalkSetting											
Volume	O	X	-	X	-	X	X	X	-	-	
Pan	O	X	-	X	-	X	X	X	-	-	
ReverbDepth	O	X	-	X	-	X	X	X	-	-	
ChorusDepth	O	X	-	X	-	X	X	X	-	-	
TotalVolumeAttenuator	O	X	-	X	-	X	X	X	-	-	
DSPOnOff	O	X	-	X	-	X	X	X	-	-	
DSPDepth	O	X	-	X	-	X	X	X	-	-	
DSPType	O	X	-	X	-	X	X	X	-	-	
DigitalStudio>SoundCreator											
Voice(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Voice(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Volume for Balance(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Volume for Balance(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Touch Sens(Main,Layer)	X	O	Voice	X	Keyboard Voice	X	O	O	Voice	-	
Touch Sens(Left)	X	O	Voice	X	Keyboard Voice	X	O	O	Style	-	
Octave for Left	X	O	Voice	X	-	X	X	X	-	-	
Octave for Main/Layer	X	O	Voice	X	-	X	X	X	-	-	
Mono/Poly →	Voice Effect										
Portament Time →	DigitalStudio>Mixing Console										
Left Pedal											
Left Pedal Type →	Controller-Pedal										CVP only
Left Pedal Settings →	Controller-Pedal										CVP only
Filter Brightness →	DigitalStudio>Mixing Console										
Filter Resonance →	DigitalStudio>Mixing Console										
EG Attack(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
EG Attack(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
EG Decay(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
EG Decay(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
EG Release(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
EG Release(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Vibrato Depth(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Vibrato Depth(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Vibrato Speed(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Vibrato Speed(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Vibrato Delay(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Vibrato Delay(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Reverb Depth →	DigitalStudio>Mixing Console										
Chorus Depth →	DigitalStudio>Mixing Console										
DSP On/Off →	Voice Effect										
DSP Depth →	DigitalStudio>Mixing Console										
Panel Sustain(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR only
Panel Sustain(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR only
DSP Type(Main,Layer)	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	
DSP Type(Left)	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
LastSelectedDSP	X	X	-	X	-	X	X	X	-	-	Memorized only when Sound Creator opened
DSP Variation →	Voice Effect										
DSP Fast Value(Main,Layer)	X	O	Effects	O	Keyboard Voice	X	O	O	Voice	-	
DSP Fast Value(Left)	X	O	Effects	O	Keyboard Voice	X	O	O	Style	-	
EQ Low Freq(Main,Layer)	X	O	EQ	O	Keyboard Voice	X	O	O	Voice	-	CVP-209/207, PSR-2000 only

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
EQ Low Freq(Left)	X	O	EQ	O	Keyboard Voice	X	O	O	Style	-	CVP-209/207, PSR-2000 only
EQ Low Gain →	DigitalStudio>Mixing Console										CVP-209/207, PSR-2000 only
EQ High Freq(Main,Layer)	X	O	EQ	O	Keyboard Voice	X	O	O	Voice	-	CVP-209/207, PSR-2000 only
EQ High Freq(Left)	X	O	EQ	O	Keyboard Voice	X	O	O	Style	-	CVP-209/207, PSR-2000 only
EQ High Gain →	DigitalStudio>Mixing Console										CVP-209/207, PSR-2000 only
Harmony/Echo											
Type →	Harmony/Echoe										
Volume											
Speed →	Harmony/Echoe										
Assign →	Harmony/Echoe										
ChordNoteOnly →	Harmony/Echoe										
TouchLimit →	Harmony/Echoe										
Natural Voice Reverb Type(Main,Layer)	X	O	Effects	O	Keyboard Voice	X	O	O	Voice	-	CVP only
Natural Voice Reverb Type(Left)	X	O	Effects	O	Keyboard Voice	X	O	O	Style	-	CVP only
Natural Voice Chorus Type(Main,Layer)	X	O	Effects	O	Keyboard Voice	X	O	O	Voice	-	CVP only
Natural Voice Chorus Type(Left)	X	O	Effects	O	Keyboard Voice	X	O	O	Style	-	CVP only
Natural Voice DSP Type(Main,Layer)	X	O	Effects	O	Keyboard Voice	X	O	O	Voice	-	CVP only
Natural Voice DSP Type(Left)	X	O	Effects	O	Keyboard Voice	X	O	O	Style	-	CVP only
Natural Voice Brilliance Type(Main,Layer)	X	O	EQ	O	Keyboard Voice	X	O	O	Voice	-	CVP only
Natural Voice Brilliance Type(Left)	X	O	EQ	O	Keyboard Voice	X	O	O	Style	-	CVP only
Natural Voice VibeSustain	O	X	-	X	-	X	X	X	-	-	CVP only
Natural Voice VibeRotorSpeed(Main,Layer)	X	O	Effects	O	Keyboard Voice	X	O	O	Voice	-	CVP only
Natural Voice VibeRotorSpeed(Left)	X	O	Effects	O	Keyboard Voice	X	O	O	Style	-	CVP only
Natural Voice Piano SR Depth	O	X	-	X	-	X	X	X	-	-	CVP only
Natural Voice Piano SS Depth	O	X	-	X	-	X	X	X	-	-	CVP only
Piano Tuning Curve	O	X	-	X	-	X	X	X	-	-	CVP only
Organ Flutes Footage(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	CVP-209/207, PSR-2000 only
Organ Flutes Footage(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	CVP-209/207, PSR-2000 only
Organ FlutesType(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	CVP-209/207, PSR-2000 only
Organ FlutesType(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	CVP-209/207, PSR-2000 only
Organ Vib On/Off(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	CVP-209/207, PSR-2000 only
Organ Vib On/Off(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	CVP-209/207, PSR-2000 only
Organ Flutes Attack Footage(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	CVP-209/207, PSR-2000 only
Organ Flutes Attack Footage(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	CVP-209/207, PSR-2000 only
Organ Flutes Attack Mode(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	CVP-209/207, PSR-2000 only
Organ Flutes Attack Mode(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	CVP-209/207, PSR-2000 only
Organ Flutes Attack length(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	CVP-209/207, PSR-2000 only
Organ Flutes Attack length(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	CVP-209/207, PSR-2000 only
Organ Flutes Response(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	CVP-209/207, PSR-2000 only
Organ Flutes Response(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	CVP-209/207, PSR-2000 only
Organ Flutes Volume(Main,Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	CVP-209/207, PSR-2000 only
Organ Flutes Volume(Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	CVP-209/207, PSR-2000 only
DigitalStudio>Mixing Console											
Auto Revoice											
On/Off	O	X	-	X	-	X	X	X	-	-	
Setup	O	X	-	X	-	X	X	X	-	-	
Volume											
Style Part	X	X	-	O	-	O	X	O	Style	-	
Song Part	X	X	-	O	Volume	X	X	X	-	-	
Main,Layer →	MainWindow>BalancePopup>MainVolume/LayerVolume										
Left →	MainWindow>BalancePopup>LeftVolume										
Acmp(Offset) →	MainWindow>BalancePopup>StyleVolume										
Song(Offset) →	MainWindow>BalancePopup>SongVolume										
Multi Pad →	MainWindow>BalancePopup>M.PadVolume										
Mic →	MainWindow>BalancePopup>MicVolume										
Voice											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	
Song Part	X	X	-	O	Voice	X	X	X	-	-	
PanPot											
Acmp Part	X	X	-	O	-	O	X	O	Style	-	
Song Part	X	X	-	O	Pan	X	X	X	-	-	
Main,Layer	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
Acmp(Offset)	X	X	-	X	-	X	X	O	Style	-	
Song(Offset)	X	X	-	X	-	X	X	X	-	-	
Multi Pad	X	X	-	X	-	X	X	O	Multi Pad	-	PSR-only
Mic	X	X	-	O	Mic. Setting	X	X	O	Mic	-	CVP-209/207, PSR-2000 only
Brightness											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	
Song Part	X	X	-	O	Filter	X	X	X	-	-	
Main,Layer	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Harmonic Contents											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	
Song Part	X	X	-	O	Filter	X	X	X	-	-	
Main,Layer	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Octave											
Main,Layer	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Tune											
Main,Layer	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
Portament Time											
Main,Layer	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Pitch Bend Range											
Main,Layer	X	X	Voice	X	-	X	X	O	Voice	-	
Left	X	X	Voice	X	-	X	X	O	Style	-	
Transpose											
Master	X	X	-	X	-	X	X	O	Tune Trans	-	
Song	X	X	-	X	-	X	X	O	Tune Trans	-	
Keyboard	X	X	-	X	-	X	X	O	Tune Trans	-	
Reverb Type	X	X	-	X	-	O	X	O	Style/Song	Reverb Type	
Reverb Return Level	X	X	-	X	-	X	X	O	Style/Song	Reverb Return Level	

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
Natural Voice Reverb Type	X	O	Effect	X	-	O	X	O	Voice/Style/ Song		
Reverb Depth											
Acmp Part	X	X	-	X	-	O	X	O	Style		
Song Part	X	X	-	O	Effect	X	X	X	-		
Main,Layer	X	O	Effect	O	Keyboard Voice	X	O	O	Voice		
Left	X	O	Effect	O	Keyboard Voice	X	O	O	Style		
Acmp(Offset)	X	X	-	X	-	X	X	O	Style	-	
Song(Offset)	X	X	-	X	-	X	X	X	-	-	
Multi Pad	X	X	-	X	-	X	X	O	Multi Pad	-	PSR only
Mic	X	X	-	O	Mic. Setting	X	X	O	Mic	-	
Chorus Type	X	X	-	X	-	O	X	O	Style/Song	-	
Chorus Return Level	X	X	-	X	-	X	X	O	Style/Song	Chorus Return Level	
Natural Voice Chorus Type	X	O	Effect	X	-	O	X	O	Voice/Style/ Song		
Chorus Depth											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	
Song Part	X	X	-	O	Effect	X	X	X	-	-	
Main,Layer	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
Acmp(Offset)	X	X	-	X	-	X	X	O	Style	-	
Song(Offset)	X	X	-	X	-	X	X	X	-	-	
Multi Pad	X	X	-	X	-	X	X	O	Multi Pad	-	PSR only
Mic	X	X	-	O	Mic. Setting	X	X	O	Mic	-	
DSP1 Type (PSR-1000, CVP-205/203)	X	O	Effect	O	Keyboard Voice	X	O	O	Voice/Song	-	
DSP1 Type (PSR-2000, CVP-209/207)	X	X	-	X	-	O	X	O	Style/Song	-	
DSP1 Return Level (PSR-1000, CVP-205/ 203)	X	X	-	X	-	X	X	O	Voice/Song	DSP1 Return Level (on PSR-1000: DSP Return Level)	
DSP1 Return Level (PSR-2000, CVP-209/ 207)	X	X	-	X	-	X	X	O	Style/Song	DSP1 Return Level	
Natural Voice DSP Type	X	O	Effect	X	-	O	X	O	Voice/Style/ Song	-	
DSP Depth											
Style Part	X	X	-	X	-	O	X	O	Style	-	
Song Part	X	X	-	O	Effect	X	X	X	-	-	
Main,Layer	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
Mic (PSR-1000, CVP-205/203)	X	X	-	O	Mic. Setting	X	X	O	Mic	-	
Mic (PSR-2000, CVP-209/207)	X	X	-	O	Mic. Setting	X	X	O	Mic	-	
DSP Type											
Main,Layer	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	CVP-209/207, PSR-2000 only
Left	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	CVP-209/207, PSR-2000 only
Song	X	X	-	O	-	X	X	O	Song	-	CVP-209/207, PSR-2000 only
Effect Parameter	X	X	-	X	-	X	X	X	-	-	
MasterEQ Type	O	X	-	X	-	X	X	X	-	Master EQ	CVP-209/207, PSR-2000 only
MasterEQ Parameter	X	X	-	X	-	X	X	X	-	Master EQ	CVP-209/207, PSR-2000 only
EQ Low Gain											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	CVP-209/207, PSR-2000 only
Song Part	X	X	-	O	Filter	X	X	X	-	-	CVP-209/207, PSR-2000 only
Main,Layer	X	O	EQ	O	Keyboard Voice	X	O	O	Voice	-	CVP-209/207, PSR-2000 only
Left	X	O	EQ	O	Keyboard Voice	X	O	O	Style	-	CVP-209/207, PSR-2000 only
Acmp(Offset)	X	X	-	X	-	X	X	O	Style	-	CVP-209/207, PSR-2000 only
Song(Offset)	X	X	-	X	-	X	X	X	-	-	CVP-209/207, PSR-2000 only
Multi Pad	X	X	-	X	-	X	X	O	Multi Pad	-	PSR-2000 only
EQ High Gain											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	CVP-209/207, PSR-2000 only
Song Part	X	X	-	O	Filter	X	X	X	-	-	CVP-209/207, PSR-2000 only
Main,Layer	X	O	EQ	O	Keyboard Voice	X	O	O	Voice	-	CVP-209/207, PSR-2000 only
Left	X	O	EQ	O	Keyboard Voice	X	O	O	Style	-	CVP-209/207, PSR-2000 only
Acmp(Offset)	X	X	-	X	-	X	X	O	Style	-	CVP-209/207, PSR-2000 only
Song(Offset)	X	X	-	X	-	X	X	X	-	-	CVP-209/207, PSR-2000 only
Multi Pad	X	X	-	X	-	X	X	O	Multi Pad	-	PSR-2000 only

MIDI Data Format / MIDI-Datenformat / Format des données MIDI / Formato de datos MIDI (CVP-209/207/205/203, PSR-2000/1000)

Many MIDI messages listed in the MIDI Data Format are expressed in decimal numbers, binary numbers and hexadecimal numbers. Hexadecimal numbers may include the letter “H” as a suffix. Also, “n” can freely be defined as any whole number.
To enter data/values, refer to the table below.

Decimal	Hexadecimal	Binary
0	00	0000 0000
1	01	0000 0001
2	02	0000 0010
3	03	0000 0011
4	04	0000 0100
5	05	0000 0101
6	06	0000 0110
7	07	0000 0111
8	08	0000 1000
9	09	0000 1001
10	0A	0000 1010
11	0B	0000 1011
12	0C	0000 1100
13	0D	0000 1101
14	0E	0000 1110
15	0F	0000 1111
16	10	0001 0000
17	11	0001 0001
18	12	0001 0010
19	13	0001 0011
20	14	0001 0100
21	15	0001 0101
22	16	0001 0110
23	17	0001 0111
24	18	0001 1000
25	19	0001 1001
26	1A	0001 1010
27	1B	0001 1011
28	1C	0001 1100
29	1D	0001 1101
30	1E	0001 1110
31	1F	0001 1111

Decimal	Hexadecimal	Binary
32	20	0010 0000
33	21	0010 0001
34	22	0010 0010
35	23	0010 0011
36	24	0010 0100
37	25	0010 0101
38	26	0010 0110
39	27	0010 0111
40	28	0010 1000
41	29	0010 1001
42	2A	0010 1010
43	2B	0010 1011
44	2C	0010 1100
45	2D	0010 1101
46	2E	0010 1110
47	2F	0010 1111
48	30	0011 0000
49	31	0011 0001
50	32	0011 0010
51	33	0011 0011
52	34	0011 0100
53	35	0011 0101
54	36	0011 0110
55	37	0011 0111
56	38	0011 1000
57	39	0011 1001
58	3A	0011 1010
59	3B	0011 1011
60	3C	0011 1100
61	3D	0011 1101
62	3E	0011 1110
63	3F	0011 1111

Decimal	Hexadecimal	Binary
64	40	0100 0000
65	41	0100 0001
66	42	0100 0010
67	43	0100 0011
68	44	0100 0100
69	45	0100 0101
70	46	0100 0110
71	47	0100 0111
72	48	0100 1000
73	49	0100 1001
74	4A	0100 1010
75	4B	0100 1011
76	4C	0100 1100
77	4D	0100 1101
78	4E	0100 1110
79	4F	0100 1111
80	50	0101 0000
81	51	0101 0001
82	52	0101 0010
83	53	0101 0011
84	54	0101 0100
85	55	0101 0101
86	56	0101 0110
87	57	0101 0111
88	58	0101 1000
89	59	0101 1001
90	5A	0101 1010
91	5B	0101 1011
92	5C	0101 1100
93	5D	0101 1101
94	5E	0101 1110
95	5F	0101 1111

Decimal	Hexadecimal	Binary
96	60	0110 0000
97	61	0110 0001
98	62	0110 0010
99	63	0110 0011
100	64	0110 0100
101	65	0110 0101
102	66	0110 0110
103	67	0110 0111
104	68	0110 1000
105	69	0110 1001
106	6A	0110 1010
107	6B	0110 1011
108	6C	0110 1100
109	6D	0110 1101
110	6E	0110 1110
111	6F	0110 1111
112	70	0111 0000
113	71	0111 0001
114	72	0111 0010
115	73	0111 0011
116	74	0111 0100
117	75	0111 0101
118	76	0111 0110
119	77	0111 0111
120	78	0111 1000
121	79	0111 1001
122	7A	0111 1010
123	7B	0111 1011
124	7C	0111 1100
125	7D	0111 1101
126	7E	0111 1110
127	7F	0111 1111

- Except the table above, for example 144-159(decimal)/9nH/1001 0000-1001 1111(binary) denotes the Note On Message for each channel (1-16). 176-191/BnH/1011 0000-1011 1111 denotes the Control Change Message for each channel (1-16). 192-207/CnH/1100 0000-1100 1111 denotes the Program Change Message for each channel (1-16). 240/FOH/1111 0000 denotes the start of a System Exclusive Message. 247/F7H/1111 0111 denotes the end of a System Exclusive Message.
- aaH (hexidecimal)/0aaaaaaa (binary) denotes the data address. The address contains High, Mid, and Low.
- bbH/0bbbbbbb denotes the byte count.
- ccH/0ccccccc denotes the check sum.
- ddH/0ddddddd denotes the data/value.

O: available

	CVP-209	CVP-207	CVP-205	CVP-203	PSR-2000	PSR-1000
Regular Voice	O	O	O	O	O	O
Organ (Organ Flutes) Voice	O	O	-	-	O	-
Mic	O	O	O	-	O	-
Vocal Harmony	O	O	-	-	O	-
Natural Voice	O	O	O	O	-	-
M. Pad (Multi Pad)	-	-	-	-	O	O

MIDI CHANNEL MESSAGE (1)

O: available

MIDI Events	Status byte		1st Data byte			2nd Data byte			Corresponding Voice/Part			MIDI Reception (respond/ignore)						MIDI Transmission (generated data)					
	Status		Data	(HEX)	Parameter	Data	(HEX)	Parameter	Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
Key Off	8nH	(n:Channel Number)	kk		Key no. (0~127)	vv		Velocity (0~127)	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O	O	X	X	X	X	O	X
Key On	9nH	(n:Channel Number)	kk		Key no. (0~127)	vv		Key On: vv=1~127 Key Off: vv=0	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O	O	O (Keyboard)	O	O	O	O	X
Control Change	BnH	(n:Channel Number)	0	(00H)	Bank Select MSB	0 64 126 127	(00H) (40H) (7EH) (7FH)	Normal SFX voice SFX kit Drum kit	O	X	O	O	O	O (Main)	O	O	O (Voice)	X	O	O	O	X
			1	(01H)	Modulation	0~127	(00H...7FH)	Data	O	X	X	O	O	O (Main/Layer/ Left)	O	O	O (Wheel *5, Pedal)	O	O	O	O	X
			5	(05H)	Portamento Time	0~127	(00H...7FH)	Data	O	X	X	O	O	O (Main/Layer/ Left)	X	O	O (Mixing Console)	X	O	X	O	X
			6	(06H)	Data Entry MSB	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			7	(07H)	Main Volume	0~127	(00H...7FH)	Data	O	X	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			10	(0AH)	Panpot	0~127	(00H...7FH)	L64...C...R63	O	X	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			11	(0BH)	Expression	0~127	(00H...7FH)	Data	O	X	O	O	O	O (Main/Layer/ Left)	O	O	O (Pedal)	O	O	O	O	X
			32	(20H)	Bank Select LSB	0~127	(00H...7FH)	Data	O	X	O	O	O	O (Main)	O	O	O (Voice)	X	O	O	O	X
			38	(26H)	Data Entry LSB	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/Layer/ Left)	X	O	O (Mixing Console)	X	O	X	O	X
			64	(40H)	Sustain (Damper)	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/Layer/ Left)	X	O	O (Pedal)	O	O	X	O	X
			65	(41H)	Portamento	0~127	(00H...7FH)	0...63, 64...127 (OFF, ON)	O	X	X	O	O	O (Main/Layer/ Left)	X	O	O (Poly/Mono Sw)	O	O	X	O	X
			66	(42H)	Sostenuto	0~127	(00H...7FH)	0...63, 64...127 (OFF, ON)	O	X	O	O	O	O (Main/Layer/ Left)	X	O	O (Pedal)	O	O	X	O	X
			67	(43H)	Soft Pedal	0~127	(00H...7FH)	0...63, 64...127 (OFF, ON)	O	X	O	O	O	O (Main/Layer/ Left)	X	O	O (Pedal)	O	O	X	O	X
			71	(47H)	Harmonic Content	0~127	(00H...7FH)	-64...0...+63	O	X	X	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			72	(48H)	Release Time	0~127	(00H...7FH)	-64...0...+63	O	X	X	O	O	O (Main/Layer/ Left)	O	O	O (Sound Creator)	X	O	O	O	X
			73	(49H)	Attack Time	0~127	(00H...7FH)	-64...0...+63	O	X	X	O	O	O (Main/Layer/ Left)	O	O	O (Sound Creator)	X	O	O	O	X
			74	(4AH)	Brightness	0~127	(00H...7FH)	-64...0...+63	O	X	X	O	O	O (Main/Layer/ Left)	X	O	O (Sound Creator)	X	O	O	O	X
			84	(54H)	Portamento Control	0~127	(00H...7FH)	Key no. (0~127)	O	X	X	O	O	X	O	O	O (Auto Accom-paniment)	X	O	X	O	X
			91	(5BH)	Effect1 Depth (Reverb Send Level)	0~127	(00H...7FH)	Data	O	X	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			93	(5DH)	Effect3 Depth (Chorus Send Level)	0~127	(00H...7FH)	Data	O	X	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			94	(5EH)	Effect4 Depth (Variation Send Level)	0~127	(00H...7FH)	Data	O	X	X	O	O	O (Main/ Layer/Left)	O	O	O (Mixing Console)	X	O	O	O	X
			96	(60H)	RPN Increment	-	-	*1	O	O (Harmony Channel/ Melody Channel)	O	O	O	X	O	O	X	X	O	X	O	X
			97	(61H)	RPN Decrement	-	-	*1	O	O (Harmony Channel/ Melody Channel)	O	O	O	X	O	O	X	X	O	X	O	X
			98	(62H)	NRPN LSB	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
			99	(63H)	NRPN MSB	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
			100	(64H)	RPN LSB	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			101	(65H)	RPN MSB	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
Mode Message	BnH	(n:Channel Number)	120	(78H)	All Sound Off	0	(00H)	Data	O	X	O	O	O	O (Main/Layer/ Left)	O	O	X	X	O	X	O	X
			121	(79H)	Reset All Controllers	0	(00H)	Data	O	X	O	O	X	X	X	X	X	X	O	X	O	X
			123	(7BH)	All Note Off	0	(00H)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/ Layer/Left)	O	O	X	X	O	X	O	X
			124	(7CH)	Omni Off	0	(00H)	Data	O	X	X	O	X	X	X	X	X	X	O	X	O	X
			125	(7DH)	Omni On	0	(00H)	Data	O	X	X	O	X	X	X	X	X	X	O	X	O	X
			126	(7EH)	Mono	0~16	(00H...10H)	Data	O	X	X	O	X	X	X	X	X	X	O	X	O	X
			127	(7FH)	Poly	0	(00H)	Data	O	X	X	O	X	X	X	X	X	X	O	X	O	X

MIDI Events	Status byte		1st Data byte		2nd Data byte		Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
	Status		Data (HEX)	Parameter	Data (HEX)	Parameter	Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
Program Change	CnH	(n:Channel Number)	pp (00H...7FH)	Voice Number (0~127)	- -	-	O	X	O	O	O	O (Main)	O	O	O (Voice)	X	O	O	O	X
Channel After Touch	DnH	(n:Channel Number)	vv (00H...7FH)	Data	- -	-	O	X	X	O	O	O (Main/Layer/ Left)	X	O	X	X	O	X	O	X
Polyphonic After Touch	AnH	(n:Channel Number)	kk (00H...7FH)	Key no. (0~127)	vv (00H...7FH)	Data	X	X	X	X	X	X	X	X	X	X	X	X	O	X
Pitch Bend Change	EnH	(n:Channel Number)	cc (00H...7FH)	LSB	dd (00H...7FH)	MSB	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/Layer/ Left)	O	O	O (Wheel *6, Pedal)	O	O	O	O	X
Realtime Message	F8H	MIDI Clock	-	-	-	-	-	-	-	O (*2)					O (*3)					
	FAH	Start	-	-	-	-	-	-	-	O (*2)					O (*4)					
	FBH	Continue	-	-	-	-	-	-	-	X					X					
	FCH	Stop	-	-	-	-	-	-	-	O (*2)					O (*4)					
	FEH	Active Sens	-	-	-	-	-	-	-	O					O					
	FFH	System Reset	-	-	-	-	-	-	-	X					X					

*1 The data byte is ignored.
*2 Received when the Clock is set to External.
*3 Transmitted when the Clock is set to Internal and Transmit Clock is set to on.
*4 Transmitted when the Transmit Clock is set to on.
*5 PSR-2000 only.
*6 PSR-2000/1000 only.

About Mic/Vocal Harmony column:
The relevant parameters are received by the song part designated by the Effect's Harmony Channel Parameter or Melody Parameter.

MIDI CHANNEL MESSAGE (2)

NRPN

NRPN		Data Entry		Parameter	Data Range	Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
01H	08H	mmH	--	Vibrato Rate	mm: 00H-40H-7FH (-64...0...+63)	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	09H	mmH	--	Vibrato Depth	mm: 00H-40H-7FH (-64...0...+63)	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	0AH	mmH	--	Vibrato Delay	mm: 00H-40H-7FH (-64...0...+63)	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	20H	mmH	--	Low Pass Filter Cutoff Frequency	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	X	X	O	X	X	X	O	X	O	X
01H	21H	mmH	--	Low Pass Filter Resonance	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	X	X	O	X	X	X	O	X	O	X
01H	30H	mmH	--	EQ BASS (*1)	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	X	X	O	X	X	X	X	X	O	X
01H	31H	mmH	--	EQ TREBLE (*1)	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	X	X	O	X	X	X	X	X	O	X
01H	34H	mmH	--	EQ BASS Frequency (*1)	mm: 04H-28H (32...2.0k[Hz])	O	X	X	O	X	X	X	X	X	X	X	X	O	X
01H	35H	mmH	--	EQ TREBLE Frequency (*1)	mm: 1CH-3AH (500...16.0k[Hz])	O	X	X	O	X	X	X	X	X	X	X	X	O	X
01H	63H	mmH	--	EG Attack Time	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	X	X	O	X	X	X	O	X	O	X
01H	64H	mmH	--	EG Decay Time	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	66H	mmH	--	EG Release	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	X	X	O	X	X	X	O	X	O	X
14H	rrH	mmH	--	Drum Low Pass Filter Cutoff Frequency	rr : drum instrument note number mm : 00H-40H-7FH (-64...0...+63)	O (Drum Only)	X	X	O	X	X	X	X	X	X	X	O	O	X
15H	rrH	mmH	--	Drum Low Pass Filter Resonance	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)		X	X	O	X	X	X	X	X	X	X	O	O	X
16H	rrH	mmH	--	Drum EG Attack Rate	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)		X	X	O	X	X	X	X	X	X	X	O	O	X
17H	rrH	mmH	--	Drum EG Decay Rate	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)		X	X	O	X	X	X	X	X	X	X	O	O	X
18H	rrH	mmH	--	Drum Pitch Coarse	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)		X	X	O	X	X	X	X	X	X	X	O	O	X
19H	rrH	mmH	--	Drum Pitch Fine	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)		X	X	O	X	X	X	X	X	X	X	O	O	X
1AH	rrH	mmH	--	Drum Level	rr: drum instrument note number mm: 00H-7FH (0...127)		X	X	O	X	X	X	X	X	X	X	O	O	X
1CH	rrH	mmH	--	Drum Pan	rr: drum instrument note number mm: 00H, 01H-40H-7FH (RND, L63...C...R63)		X	X	O	X	X	X	X	X	X	X	O	O	X
1DH	rrH	mmH	--	Drum Reverb Send Level	rr: drum instrument note number mm: 00H-7FH (0...127)		X	X	O	X	X	X	X	X	X	X	O	O	X
1EH	rrH	mmH	--	Drum Chorus Send Level	rr: drum instrument note number mm: 00H-7FH (0...127)		X	X	O	X	X	X	X	X	X	X	O	O	X
1FH	rrH	mmH	--	Drum Variation Send Level	rr: drum instrument note number mm: 00H-7FH (0...127) (Variation Connection=SYSTEM) mm: 00H, 01H-7FH (OFF, ON) (Variation Connection=INSERTION)		X	X	O	X	X	X	X	X	X	X	O	O	X

NRPN MSB: 14H-1FH (for drums) message is accepted as long as the channel is set with a drum voice.
Data Entry LSB: Ignored.

NRPN (Vocal Harmony)

NRPN		Data Entry		Parameter	Data Range	Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
00H	00H	mmH	--	Harmony Mute (*2)	0-63, 64-127 (Off, On)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	X	X	O	X
01H	1AH	mmH	--	Detune Modulation (*2)	mm: 00H-7FH (0...127)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	X	X	O	X
02H	10H	mmH	--	Harmony1 Volume (*2)	mm: 00H-7FH (0...127)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	11H	mmH	--	Harmony2 Volume (*2)	mm: 00H-7FH (0...127)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	12H	mmH	--	Harmony3 Volume (*2)(*3)	mm: 00H-7FH (0...127)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	20H	mmH	--	Harmony1 Pan (*2)	mm: 00H, 01H-40H-7FH (RND, L63...C...R63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	21H	mmH	--	Harmony2 Pan (*2)	mm: 00H, 01H-40H-7FH (RND, L63...C...R63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal HarmonyType Edit)	X	X	X	O	X
02H	22H	mmH	--	Harmony3 Pan (*2)(*3)	mm: 00H, 01H-40H-7FH (RND, L63...C...R63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	30H	mmH	--	Harmony1 Detune (*2)	mm: 00H-40H-7FH (-64...0...+63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	31H	mmH	--	Harmony2 Detune (*2)	mm: 00H-40H-7FH (-64...0...+63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	32H	mmH	--	Harmony3 Detune (*2)(*3)	mm: 00H-40H-7FH (-64...0...+63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X

Data Entry LSB: Ignored.

RPN

NRPN		Data Entry		Parameter	Data Range	Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
00H	00H	mmH	--	Pitch Bend Sensitivity	mm: 00H-18H (0...+24[semitones])	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/ Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
00H	01H	mmH	llH	Fine Tune	mm ll : 00H 00H -100[cent] ... mm ll : 40H 00H 0[cent] ... mm ll : 7FH 7FH 100[cent]	O	X	O	O	O	O (Main/ Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
00H	02H	mmH	--	Coarse Tune	mm: 28H-40H-58H (-24...0...+24[semitones])	O	X	O	O	O	O (Main/ Layer/ Left)	O	O	X	X	O	O	O	X
7FH	7FH	--	--	Null	-	O	O	O	O	O	O (Main/ Layer/ Left)	O	O	X	X	O	O	O	X

*1 2Band Part EQ

CVP-203	X
CVP-205	X
CVP-207	O
CVP-209	O
PSR-1000	X
PSR-2000	O

*2 Vocal Harmony

CVP-203	X
CVP-205	X
CVP-207	O
CVP-209	O
PSR-1000	X
PSR-2000	O

*3 CVP-209 only
About Mic/Vocal Harmony column:
The relevant parameters are received by the song part designated by the Effect's Harmony Channel Parameter or Melody Parameter.

MIDI PARAMETER CHANGE TABLE

* Not Received when Receive System Exclusive Message Parameters is set to off.
* Not transmitted when Transmit System Exclusive Message Parmeters is set to on.

MIDI Parameter Change table (XG SYSTEM)

CVP-203	O
CVP-205	O
CVP-207	O
CVP-209	O
PSR-1000	O
PSR-2000	O

O: available

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
00	00	00	4	00-0F	MASTER TUNE	-102.4...0...+102.3[cent]	*Panel setting value	O	X	O	O					O (Function)	X	X	O	X
		01		00-0F		1st bit 3-0→bit 15-12														
		02		00-0F		2nd bit 3-0→bit 11-8														
		03		00-0F		3rd bit 3-0→bit 7-4														
						4th bit 3-0→bit 3-0														
		04	1	00-7F	MASTER VOLUME	0...127	7F	O	X	O	O	X	X	X	X	X	X	X	O	X
		05	1	00-7F	MASTER ATTENUATOR	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		06	1	28-58	TRANSPOSE	-24...0...+24[semitones]	40	O	X	O	O	X	X	X	X	X	X	X	O	X
		7D	1	N	DRUM SETUP RESET	N: Drum setup number	-	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	X
		7E	1	00	XG SYSTEM ON	00=XG system ON	-	O	X	O	O	X	X	X	O	X	X	X	O	X
		7F	1	00	ALL PARAMETER RESET	00=ON	-	O	X	O	O	X	X	X	O	X	X	X	O	X

TOTAL SIZE 07

MIDI Parameter Change table (SYSTEM INFORMATION)

CVP-203	O
CVP-205	O
CVP-207	O
CVP-209	O
PSR-1000	O
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
01	00	00	E	20-7F	Model Name 1	32...127(ASCII CHARACTER)	-	-	-	-	-	-	-	-	X	X	X	X	O
		...		...		...													
		0D		20-7F	Model Name 14	32...127(ASCII CHARACTER)													
		0E	1		NOT USED														
		0F	1		NOT USED														

TOTAL SIZE 10

Transmitted in response to Dump Request. Not received.

MIDI Parameter Change table (EFFECT1)

CVP-203	O
CVP-205	O
CVP-207	O
CVP-209	O
PSR-1000	O
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	01	00	2	00-7F	REVERB TYPE MSB	Refer to Effect Parameter List	01(=HALL1)	O	O	X	O					O (Mixing Console)	X	O	O	X
				00-7F	REVERB TYPE LSB	˝	00													
		02	1	00-7F	REVERB PARAMETER 1	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console	X	O	O	X
		03	1	00-7F	REVERB PARAMETER 2	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		04	1	00-7F	REVERB PARAMETER 3	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		05	1	00-7F	REVERB PARAMETER 4	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		06	1	00-7F	REVERB PARAMETER 5	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		07	1	00-7F	REVERB PARAMETER 6	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		08	1	00-7F	REVERB PARAMETER 7	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		09	1	00-7F	REVERB PARAMETER 8	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		0A	1	00-7F	REVERB PARAMETER 9	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		0B	1	00-7F	REVERB PARAMETER 10	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		0C	1	00-7F	REVERB RETURN	-∞ dB…0dB…+6dB (0...96...127)	40	O	O	X	O					O (Mixing Console)	X	O	O	X
		0D	1	01-7F	REVERB PAN	L63...C...R63	40	O	O	X	O					X	X	O	O	X

TOTAL SIZE 0E

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	01	10	1	00-7F	REVERB PARAMETER 11	Refer to Effect Parameter List	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		11	1	00-7F	REVERB PARAMETER 12	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		12	1	00-7F	REVERB PARAMETER 13	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		13	1	00-7F	REVERB PARAMETER 14	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		14	1	00-7F	REVERB PARAMETER 15	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		15	1	00-7F	REVERB PARAMETER 16	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X

TOTAL SIZE 06

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	01	20	2	00-7F 00-7F	CHORUS TYPE MSB CHORUS TYPE LSB	Refer to Effect Parameter List ˝	41(=CHORUS1) 00	O	O	X	O					O (Mixing Console)	X	O	O	X
		22	1	00-7F	CHORUS PARAMETER 1	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		23	1	00-7F	CHORUS PARAMETER 2	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		24	1	00-7F	CHORUS PARAMETER 3	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		25	1	00-7F	CHORUS PARAMETER 4	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		26	1	00-7F	CHORUS PARAMETER 5	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		27	1	00-7F	CHORUS PARAMETER 6	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		28	1	00-7F	CHORUS PARAMETER 7	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		29	1	00-7F	CHORUS PARAMETER 8	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		2A	1	00-7F	CHORUS PARAMETER 9	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		2B	1	00-7F	CHORUS PARAMETER 10	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		2C	1	00-7F	CHORUS RETURN	-• dB...0dB...+6dB (0...96...127)	40	O	O	X	O					O (Mixing Console)	X	O	O	X
		2D	1	01-7F	CHORUS PAN	L63...C...R63	40	O	O	X	O					X	X	X	O	X
		2E	1	00-7F	SEND CHORUS TO REVERB	-• dB...0dB...+6dB (0...96...127)	00	O	O	X	O					X	X	X	O	X

TOTAL SIZE 0F

02	01	30	1	00-7F	CHORUS PARAMETER 11	Refer to Effect Parameter List	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		31	1	00-7F	CHORUS PARAMETER 12	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		32	1	00-7F	CHORUS PARAMETER 13	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		33	1	00-7F	CHORUS PARAMETER 14	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		34	1	00-7F	CHORUS PARAMETER 15	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		35	1	00-7F	CHORUS PARAMETER 16	˝	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X

TOTAL SIZE 06

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	01	40	2	00-7F 00-7F	VARIATION TYPE MSB VARIATION TYPE LSB	Refer to Effect Parameter List ˝	05(=DELAY L, C, R) 00	O	O	X	O					O (Mixing Console)	X	O	O	X
		42	2	00-7F 00-7F	VARIATION PARAMETER 1 MSB VARIATION PARAMETER 1 LSB	˝ ˝	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		44	2	00-7F 00-7F	VARIATION PARAMETER 2 MSB VARIATION PARAMETER 2 LSB	˝ ˝	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		46	2	00-7F 00-7F	VARIATION PARAMETER 3 MSB VARIATION PARAMETER 3 LSB	˝ ˝	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		48	2	00-7F 00-7F	VARIATION PARAMETER 4 MSB VARIATION PARAMETER 4 LSB	˝ ˝	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		4A	2	00-7F 00-7F	VARIATION PARAMETER 5 MSB VARIATION PARAMETER 5 LSB	˝ ˝	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		4C	2	00-7F 00-7F	VARIATION PARAMETER 6 MSB VARIATION PARAMETER 6 LSB	˜ ˜	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		4E	2	00-7F 00-7F	VARIATION PARAMETER 7 MSB VARIATION PARAMETER 7 LSB	˜ ˜	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		50	2	00-7F 00-7F	VARIATION PARAMETER 8 MSB VARIATION PARAMETER 8 LSB	˜ ˜	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		52	2	00-7F 00-7F	VARIATION PARAMETER 9 MSB VARIATION PARAMETER 9 LSB	˜ ˜	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		54	2	00-7F 00-7F	VARIATION PARAMETER 10 MSB VARIATION PARAMETER 10 LSB	˜ ˜	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		56	1	00-7F	VARIATION RETURN	-• dB...0dB...+6dB (0...96...127)	40	O	O	X	O					O (Mixing Console)	X	O	O	X
		57	1	01-7F	VARIATION PAN	L63...C...R63	40	O	O	X	O					X	X	O	O	X
		58	1	00-7F	SEND VARIATION TO REVERB	-• dB...0dB...+6dB (0...96...127)	00	O	O	X	O					X	X	O	O	X
		59	1	00-7F	SEND VARIATION TO CHORUS	-• dB...0dB...+6dB (0...96...127)	00	O	O	X	O					X	X	O	O	X
		5A	1	00-01	VARIATION CONNECTION	INSERTION, SYSTEM	00	O	O	X	O					X	X	O	O	X
		5B	1	00-7F	VARIATION PART NUMBER	Reception: Part1...16(0...15) Transmission: Part1...16(0...15) AD(64) OFF(127)	7F	O	O	X	O					O (Mixing Console)	X	O	O	X
		5C	1	00-7F	MW VARIATION CONTROL DEPTH	-64...0...+63	40	O	O	X	O					X	X	O	O	X
		5D	1	00-7F	BEND VARIATION CONTROL DEPTH	-64...0...+63	40	O	O	X	O					X	X	O	O	X
		5E	1	00-7F	CAT VARIATION CONTROL DEPTH	-64...0...+63	40	O	O	X	O					X	X	O	O	X
		5F	1	00-7F	AC1 VARIATION CONTROL DEPTH	-64...0...+63	40	X	X	X	X					X	X	X	X	X
		60	1	00-7F	AC2 VARIATION CONTROL DEPTH	-64...0...+63	40	X	X	X	X					X	X	X	X	X
TOTAL SIZE			21																	

02	01	70	1	00-7F	VARIATION PARAMETER 11	Refer to Effect Parameter List	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		71	1	00-7F	VARIATION PARAMETER 12	˜	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		72	1	00-7F	VARIATION PARAMETER 13	˜	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		73	1	00-7F	VARIATION PARAMETER 14	˜	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		74	1	00-7F	VARIATION PARAMETER 15	˜	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		75	1	00-7F	VARIATION PARAMETER 16	˜	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
TOTAL SIZE			06																	

MIDI Parameter Change table (MULTI EQ)

CVP-203	X
CVP-205	X
CVP-207	O
CVP-209	O
PSR-1000	X
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	40	00	1	00-04	EQ TYPE	flat, jazz, pops, rock, classic	O	O	X	O					X	X	X	O	X
		01	1	34-4C	EQ GAIN1	-12...0...+12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		02	1	04-28	EQ FREQUENCY1	32...2.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		03	1	01-78	EQ Q1	0.1...12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		04	1	00-01	EQ SHAPE1	shelving, peaking	O	O	X	O					X	X	X	O	X
		05	1	34-4C	EQ GAIN2	-12...0...+12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		06	1	0E-36	EQ FREQUENCY2	100...10.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		07	1	01-78	EQ Q2	0.1...12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		08	1		NOT USED		-	-	-	-					-	-	-	-	-
		09	1	34-4C	EQ GAIN3	-12...0...+12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		0A	1	0E-36	EQ FREQUENCY3	100...10.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		0B	1	01-78	EQ Q3	0.1...12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		0C	1		NOT USED		-	-	-	-					-	-	-	-	-
		0D	1	34-4C	EQ GAIN4	-12...0...+12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		0E	1	0E-36	EQ FREQUENCY4	100...10.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		0F	1	01-78	EQ Q4	0.1...12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		10	1		NOT USED		-	-	-	-					-	-	-	-	-
		11	1	34-4C	EQ GAIN5	-12...0...+12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		12	1	1C-3A	EQ FREQUENCY5	0.5k...16.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		13	1	01-78	EQ Q5	0.1...12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		14	1	00-01	EQ SHAPE5	shelving, peaking	O	O	X	O					X	X	X	O	X
TOTAL SIZE			5																

The MULTI EQ Parameter cannot be reset to its factory setting with XG SYSTEM ON.

MIDI Parameter Change table (EFFECT2)

CVP-203	X
CVP-205	X
CVP-207	O
CVP-209	O
PSR-1000	X
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
03	n	00	2	00-7F 00-7F	INSERTION EFFECT TYPE MSB INSERTION EFFECT TYPE LSB	Refer to Effect Parameter List ˝	O	O	X	O					O (Mixing Console)	X	X	O	X
		02	1	00-7F	INSERTION EFFECT PARAMETER 1	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		03	1	00-7F	INSERTION EFFECT PARAMETER 2	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		04	1	00-7F	INSERTION EFFECT PARAMETER 3	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		05	1	00-7F	INSERTION EFFECT PARAMETER 4	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		06	1	00-7F	INSERTION EFFECT PARAMETER 5	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		07	1	00-7F	INSERTION EFFECT PARAMETER 6	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		08	1	00-7F	INSERTION EFFECT PARAMETER 7	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		09	1	00-7F	INSERTION EFFECT PARAMETER 8	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		0A	1	00-7F	INSERTION EFFECT PARAMETER 9	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		0B	1	00-7F	INSERTION EFFECT PARAMETER 10	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		0C	1	00-7F	INSERTION EFFECT PART NUMBER	Reception: Part1...16(0...15) Transmission: Part1...16(0...15) AD(64) OFF(127)	O	O	X	O					O (Mixing Console)	X	X	O	X
		0D	1	00-7F	MW INSERTION CONTROL DEPTH	-64...0...+63	O	O	X	O					X	X	X	O	X
		0E	1	00-7F	BEND INSERTION CONTROL DEPTH	-64...0...+63	O	O	X	O					X	X	X	O	X
		0F	1	00-7F	CAT INSERTION CONTROL DEPTH	-64...0...+63	O	O	X	O					X	X	X	O	X
		10	1	00-7F	AC1 INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X					X	X	X	X	X
		11	1	00-7F	AC2 INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X					X	X	X	X	X

TOTAL SIZE 12

		20	1	00-7F	INSERTION EFFECT PARAMETER 11	Refer to Effect Parameter List	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		21	1	00-7F	INSERTION EFFECT PARAMETER 12	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		22	1	00-7F	INSERTION EFFECT PARAMETER 13	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		23	1	00-7F	INSERTION EFFECT PARAMETER 14	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		24	1	00-7F	INSERTION EFFECT PARAMETER 15	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		25	1	00-7F	INSERTION EFFECT PARAMETER 16	˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X

TOTAL SIZE 6

		30	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 1 MSB INSERTION EFFECT PARAMETER 1 LSB	Refer to Effect Parameter List ˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		32	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 2 MSB INSERTION EFFECT PARAMETER 2 LSB	˝ ˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		34	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 3 MSB INSERTION EFFECT PARAMETER 3 LSB	˝ ˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		36	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 4 MSB INSERTION EFFECT PARAMETER 4 LSB	˝ ˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		38	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 5 MSB INSERTION EFFECT PARAMETER 5 LSB	˝ ˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		3A	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 6 MSB INSERTION EFFECT PARAMETER 6 LSB	˝ ˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		3C	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 7 MSB INSERTION EFFECT PARAMETER 7 LSB	˝ ˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		3E	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 8 MSB INSERTION EFFECT PARAMETER 8 LSB	˝ ˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		40	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 9 MSB INSERTION EFFECT PARAMETER 9 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		42	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 10 MSB INSERTION EFFECT PARAMETER 10 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X

TOTAL SIZE 14

The EFFECT 2 Parameter cannot be reset to its factory setting with XG SYSTEM ON.

The second byte of the address is considered as an Insertion effect number.
n : insertion effect number

For effect types that do not require MSB, the Parameters for Address 02-0B will be received and the Parameters for Address 30-42 will not be received.
For effect types that require MSB, the Parameters for Address 30-42 will be received and the Parameters for Address 02-0B will not be received.
When Bulk Dumps that include Effect Type data are transmitted, the Parameters for Address 02-0B will always be transmitted. But, effects that require MSB, when the bulk dump is received the Parameters for Address 02-0B will not be received.

*1 CVP-207, PSR-2000: n=0~2
CVP-209: n=0~4

MIDI Parameter Change table (SPECIAL EFFECT)

CVP-203	X
CVP-205	X
CVP-207	O
CVP-209	O
PSR-1000	X
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
04	00	00	2	00-7F 00-7F	INSERTION EFFECT TYPE MSB INSERTION EFFECT TYPE LSB	Vocoder(89), Chordal(90), Detune(91), Chromatic(92), Thru(0...88, 93...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		02	1	00-7F	INSERTION EFFECT PARAMETER 1 Harmony Mode		X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		03	1	00-7F	INSERTION EFFECT PARAMETER 2 Harmony Gender Type	Off(0), Auto(1)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		04	1	00-7F	INSERTION EFFECT PARAMETER 3 Lead Gender Type	Off(0), Unison(1), Male(2), Female(3)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		05	1	00-7F	INSERTION EFFECT PARAMETER 4 Lead Gender Depth	-64...0...+63(0...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		06	1	00-7F	INSERTION EFFECT PARAMETER 5 Lead Pitch Correction	Free(0), Correct(1)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		07	1	00-7F	INSERTION EFFECT PARAMETER 6 Auto Upper Gender Threshold	0...12(0...12)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		08	1	00-7F	INSERTION EFFECT PARAMETER 7 Auto Lower Gender Threshold	0...12(0...12)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		09	1	00-7F	INSERTION EFFECT PARAMETER 8 Upper Gender Depth	-64...0...+63(0...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		0A	1	00-7F	INSERTION EFFECT PARAMETER 9 Lower Gender Depth	-64...0...+63(0...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		0B	1	00-7F	INSERTION EFFECT PARAMETER 10	L63>H...L=H...L<H63 (1...64...127)	X	O	X	X	X	X	X	X	O (MicSetting)	X	X	O	X
		0C	1	00-7F	INSERTION EFFECT PART NUMBER	AD(64), OFF(0...63, 65...127)	X	O	X	X	X	X	X	X	O (Vocal Harmony Sw)	X	X	O	X
		0D	1	00-7F	MW INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X	X	X	X	X	X	X	X	X	X
		0E	1	00-7F	BEND INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X	X	X	X	X	X	X	X	X	X
		0F	1	00-7F	CAT INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X	X	X	X	X	X	X	X	X	X
		10	1	00-7F	AC1 INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X	X	X	X	X	X	X	X	X	X
		11	1	00-7F	AC2 INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X	X	X	X	X	X	X	X	X	X

TOTAL SIZE 12

		14	1	00-7F	UNIQUE INSERTION EFFECT EXTERNAL CONTROL CH1 (HARMONY CHANNEL)	1...16(0...15), OFF(127)	X	O	X	X	X	X	X	X	O (MicSetting)	X	X	O	X
		15	1	00-7F	UNIQUE INSERTION EFFECT EXTERNAL CONTROL CH1 (MELODY CHANNEL)	1...16(0...15), OFF(127)	X	O	X	X	X	X	X	X	X	X	X	O	X

TOTAL SIZE 2

		20	1	00-7F	INSERTION EFFECT PARAMETER 11 Vibrate Depth	0...100cent(0...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		21	1	00-7F	INSERTION EFFECT PARAMETER 12 Vibrate Rate	0Hz(0), 0.1...12.7Hz(1...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		22	1	00-7F	INSERTION EFFECT PARAMETER 13 Vibrate Delay	0...2.54sec(0...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		23	1	00-7F	INSERTION EFFECT PARAMETER 14		X	X	X	X	X	X	X	X	X	X	X	X	X
		24	1	00-7F	INSERTION EFFECT PARAMETER 15		X	X	X	X	X	X	X	X	X	X	X	X	X
		25	1	00-7F	INSERTION EFFECT PARAMETER 16		X	X	X	X	X	X	X	X	X	X	X	X	X

TOTAL SIZE 6

The SPECIAL EFFECT Parameter cannot be reset to its factory setting with XG SYSTEM ON.

MIDI Parameter Change table (MULTI PART)

CVP-203	O
CVP-205	O
CVP-207	O
CVP-209	O
PSR-1000	O
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
08	nn	00	1	00-20	ELEMENT RESERVE	0...32	part10=00, other parts=02	O	X	X	O	X	X	X	X	X	X	X	O	X
		01	1	00-7F	BANK SELECT MSB	0...127	part10=7F, other parts =00	O	X	O	O	O	X	O	O	X	X	X	O	X
		02	1	00-7F	BANK SELECT LSB	0...127	00	O	X	O	O	O	X	O	O	X	X	X	O	X
		03	1	00-7F	PROGRAM NUMBER	0...127	00	O	X	O	O	O	X	O	O	X	X	X	O	X
		04	1	00-0F,7F	Rcv CHANNEL	1...16, OFF	Part No.	O	X	X	O	X	X	X	X	X	X	X	O	X
		05	1	00-01	MONO/POLY MODE	MONO, POLY	01	O	X	X	O	X	X	X	X	X	X	X	O	X
		06	1	00-02	SAME NOTE NUMBER KEY ON ASSIGN	SINGLE, MULTI, INST (for Drum)	01	O	X	X	O	X	X	O	X	X	X	X	O	X
		07	1	00-03	PART MODE	NORMAL, DRUM, DRUMS1...2	part10=02, other parts=00	O	X	O	O	X	X	X	X	O (Drum Voice)	X	X	O	X
		08	1	00-7F	CHANNEL TRANSPOSE	-24...0...+24[semitones]	40	O	X	O	O	O	X	O	O	X	X	X	O	X
		09 0A	2	00-0F 00-0F	DETUNE	-12.8...0...+12.7[Hz] 1st bit3-0→bit7-4 2nd bit3-0→bit3-0	08 00	O	X	O	O	O	X	O	O	X	X	X	O	X
		0B	1	00-7F	VOLUME	0...127	64	O	X	O	O	O	X	O	O	X	X	X	O	X
		0C	1	00-7F	VELOCITY SENSE DEPTH	0...127	40	O	X	O	O	O	X	X	O	O (Sound Creator)	O	X	O	X
		0D	1	00-7F	VELOCITY SENSE OFFSET	0...127	40	O	X	O	O	O	X	X	O	O (Sound Creator)	O	X	O	X
		0E	1	00-7F	PAN	RND, L63...C...R63	40	O	X	O	O	O	X	O	O	X	X	X	O	X
		0F	1	00-7F	NOTE LIMIT LOW	C-2...G8	00	O	X	X	O	X	X	X	X	X	X	X	O	X
		10	1	00-7F	NOTE LIMIT HIGH	C-2...G8	7F	O	X	X	O	X	X	X	X	X	X	X	O	X
		11	1	00-7F	DRY LEVEL	0...127	7F	O	X	X	O	O	X	O	O	O (Sound Creator)	O	X	O	X
		12	1	00-7F	CHORUS SEND	0...127	00	O	X	O	O	O	X	O	O	X	X	X	O	X
		13	1	00-7F	REVERB SEND	0...127	28	O	X	O	O	O	X	O	O	X	X	X	O	X
		14	1	00-7F	VARIATION SEND	0...127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		15	1	00-7F	VIBRATO RATE	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		16	1	00-7F	VIBRATO DEPTH	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		17	1	00-7F	VIBRATO DELAY	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		18	1	00-7F	FILTER CUTOFF FREQUENCY	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		19	1	00-7F	FILTER RESONANCE	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1A	1	00-7F	EG ATTACK TIME	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1B	1	00-7F	EG DECAY TIME	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1C	1	00-7F	EG RELEASE TIME	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1D	1	28-58	MW PITCH CONTROL	-24...0...+24[semitones]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1E	1	00-7F	MW LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1F	1	00-7F	MW AMPLITUDE CONTROL	-100...0...+100[%]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		20	1	00-7F	MW LFO PMOD DEPTH	0...127	0A	O	X	X	O	O	X	O	O	X	X	X	O	X
		21	1	00-7F	MW LFO FMOD DEPTH	0...127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		22	1	00-7F	MW LFO AMOD DEPTH	0...127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		23	1	28-58	BEND PITCH CONTROL	-24...0...+24[semitones]	42	O	X	O	O	O	X	O	O	X	X	X	O	X
		24	1	00-7F	BEND LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		25	1	00-7F	BEND AMPLITUDE CONTROL	-100...0...+100[%]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		26	1	00-7F	BEND LFO PMOD DEPTH	0...127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		27	1	00-7F	BEND LFO FMOD DEPTH	0...127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		28	1	00-7F	BEND LFO AMOD DEPTH	0...127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
TOTAL SIZE			29																	

		30	1	00-01	Rcv PITCH BEND	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		31	1	00-01	Rcv CH AFTER TOUCH (CAT)	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		32	1	00-01	Rcv PROGRAM CHANGE	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		33	1	00-01	Rcv CONTROL CHANGE	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		34	1	00-01	Rcv POLY AFTER TOUCH (PAT)	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		35	1	00-01	Rcv NOTE MESSAGE	OFF, ON	01	O	X	O	O	X	X	X	X	X	X	O	X	
		36	1	00-01	Rcv RPN	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	
		37	1	00-01	Rcv NRPN	OFF, ON	XG mode=01, GM mode=00	X	X	X	X	X	X	X	X	X	X	X	X	
		38	1	00-01	Rcv MODULATION	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	
		39	1	00-01	Rcv VOLUME	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	
		3A	1	00-01	Rcv PAN	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	
		3B	1	00-01	Rcv EXPRESSION	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	
		3C	1	00-01	Rcv HOLD1	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	
		3D	1	00-01	Rcv PORTAMENTO	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	
		3E	1	00-01	Rcv SOSTENUTO	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	
		3F	1	00-01	Rcv SOFT PEDAL	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	
		40	1	00-01	Rcv BANK SELECT	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	
		41	1	00-7F	SCALE TUNING C	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		42	1	00-7F	SCALE TUNING C#	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		43	1	00-7F	SCALE TUNING D	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		44	1	00-7F	SCALE TUNING D#	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		45	1	00-7F	SCALE TUNING E	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		46	1	00-7F	SCALE TUNING F	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		47	1	00-7F	SCALE TUNING F#	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		48	1	00-7F	SCALE TUNING G	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		49	1	00-7F	SCALE TUNING G#	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		4A	1	00-7F	SCALE TUNING A	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		4B	1	00-7F	SCALE TUNING A#	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		4C	1	00-7F	SCALE TUNING B	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		4D	1	28-58	CAT PITCH CONTROL	-24...0...+24[semitones]	40	O	X	X	O	O	X	X	O	X	X	X	O	X
		4E	1	00-7F	CAT LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	O	X	X	O	O	X	X	O	X	X	X	O	X
		4F	1	00-7F	CAT AMPLITUDE CONTROL	-100...0...+100[%]	40	O	X	X	O	O	X	X	O	X	O	X	O	X
		50	1	00-7F	CAT LFO PMOD DEPTH	0...127	00	O	X	X	O	O	X	X	O	X	O	X	O	X
		51	1	00-7F	CAT LFO FMOD DEPTH	0...127	00	O	X	X	O	O	X	X	O	X	X	X	O	X
		52	1	00-7F	CAT LFO AMOD DEPTH	0...127	00	O	X	X	O	O	X	X	O	X	X	X	O	X
		53	1	28-58	PAT PITCH CONTROL	-24...0...+24[semitones]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		54	1	00-7F	PAT LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	X	X	X	X	X	X	X	X	X	X	X	X	X

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		55	1	00-7F	PAT AMPLITUDE CONTROL	-100...0...+100[%]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		56	1	00-7F	PAT LFO PMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		57	1	00-7F	PAT LFO FMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		58	1	00-7F	PAT LFO AMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		59	1	00-5F	AC1 CONTROLLER NUMBER	0...95	10	X	X	X	X	X	X	X	X	X	X	X	X	X
		5A	1	28-58	AC1 PITCH CONTROL	-24...0...+24[semitones]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		5B	1	00-7F	AC1 LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		5C	1	00-7F	AC1 AMPLITUDE CONTROL	-100...0...+100[%]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		5D	1	00-7F	AC1 LFO PMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		5E	1	00-7F	AC1 LFO FMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		5F	1	00-7F	AC1 LFO AMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		60	1	00-5F	AC2 CONTROLLER NUMBER	0...95	11	X	X	X	X	X	X	X	X	X	X	X	X	X
		61	1	28-58	AC2 PITCH CONTROL	-24...0...+24[semitones]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		62	1	00-7F	AC2 LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		63	1	00-7F	AC2 AMPLITUDE CONTROL	-100...0...+100[%]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		64	1	00-7F	AC2 LFO PMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		65	1	00-7F	AC2 LFO FMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		66	1	00-7F	AC2 LFO AMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		67	1	00-01	PORTAMENTO SWITCH	OFF, ON	00	O	X	X	O	O	X	X	O	X	X	X	O	X
		68	1	00-7F	PORTAMENTO TIME	0...127	00	O	X	X	O	O	X	X	O	X	X	X	O	X
		69	1	00-7F	PITCH EG INITIAL LEVEL	-64...0...+63	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		6A	1	00-7F	PITCH EG ATTACK TIME	-64...0...+63	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		6B	1	00-7F	PITCH EG RELEASE LEVEL	-64...0...+63	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		6C	1	00-7F	PITCH EG RELEASE TIME	-64...0...+63	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		6D	1	01-7F	VELOCITY LIMIT LOW	1...127	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		6E	1	01-7F	VELOCITY LIMIT HIGH	1...127	7F	X	X	X	X	X	X	X	X	X	X	X	X	X
TOTAL SIZE				3F																

		70	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		71	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		72	1	00-7F	EQ BASS GAIN	-12dB...+12dB	40	O (*2)	X	X	O *2)	O (*2)	X	O (*2)	O (*2)	O (Mixing Console) (*2)	O	O	O	X
		73	1	00-7F	EQ TREBLE GAIN	-12dB...+12dB	40	O (*2)	X	X	O (*2)	O (*2)	X	O (*2)	O (*2)	O (Mixing Console) (*2)	O	O	O	X
TOTAL SIZE				04																

		74	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		75	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		76	1	04-28	EQ BASS FREQUENCY	32...2.0k[Hz]	0C	O (*2)	X	X	O (*2)	O (*2)	X	X	O (*2)	O (Sound Creator) (*2)	O	X	O	X
		77	1	1C-3A	EQ TREBLE FREQUENCY	500...16.0k[Hz]	36	O (*2)	X	X	O (*2)	O (*2)	X	X	O (*2)	O (Sound Creator) (*2)	O	X	O	X
		78	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		79	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL SIZE				0C																

nn = PART NUMBER

If there is a Drum Voice assigned to the part, the following parameters are ineffective.
- BANK SELECT LSB
- MONO/POLY MODE
- SCALE TUNING
- PORTAMENTO
- PITCH EG
- FILTER MODULATION DEPTH (FMOD DEPTH)
- AMPLITUDE MODULATION DEPTH (AMOD DEPTH)

*2 On CVP-203/205, PSR-2000, the following parameters are not accepted, or are not transmitted by the Panel operations.
- EQ BASS GAIN
- EQ TREBLE GAIN
- EQ BASS FREQUENCY
- EQ TREBLE FREQUENCY

MIDI Parameter Change table (A/D PART)

CVP-203	X
CVP-205	O
CVP-207	O
CVP-209	O
PSR-1000	X
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
10	00	00	1	00-01	INPUT GAIN	MIC, LINE	X	X	X	X	X	X	X	X	X	X	X	X	X
		01	1	00-7F	BANK SELECT MSB	0...127	X	X	X	X	X	X	X	X	X	X	X	X	X
		02	1	00-7F	BANK SELECT LSB	0...127	X	X	X	X	X	X	X	X	X	X	X	X	X
		03	1	00-7F	PROGRAM NUMBER	0...127	X	X	X	X	X	X	X	X	X	X	X	X	X
		04	1	00-1F,7F	Rcv CHANNEL	1...16,OFF	X	O	X	X	X	X	X	X	X	X	X	O	X
		05	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		06	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		07	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		08	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		09	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		0A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		0B	1	00-7F	VOLUME	0...127	X	O	X	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		0C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		0D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		0E	1	01-7F	PAN	L63...C...R63	X	O	X	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		0F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		10	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		11	1	00-7F	DRY LEVEL		X	O	X	X	X	X	X	X	O (Mixing Console) (CVP-205 only)	X	X	O	X

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		12	1	00-7F	CHORUS SEND		X	O	X	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		13	1	00-7F	REVERB SEND		X	O	X	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		14	1	00-7F	VARIATION SEND		X	O	X	X	X	X	X	X	O (Mixing Console) (CVP-205 only)	X	X	O	X
TOTAL SIZE			15																
10	0n	30	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		31	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		32	1	00-01	Rcv PROGRAM CHANGE	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		33	1	00-01	Rcv CONTROL CHANGE	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		34	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		35	1	00-01	MUTE	ON, OFF	X	X	X	X	X	X	X	X	X	X	X	X	X
		36	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		37	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		38	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		39	1	00-01	Rcv VOLUME	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		3A	1	00-01	Rcv PAN	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		3B	1	00-01	Rcv EXPRESSION	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		3C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		3D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		3E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		3F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		40	1	00-01	Rcv BANK SELECT	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		41	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		42	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		43	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		44	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		45	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		46	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		47	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		48	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		49	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		50	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		51	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		52	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		53	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		54	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		55	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		56	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		57	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		58	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		59	1	00-5F	AC1 CONTROLLER NUMBER	0...95	X	X	X	X	X	X	X	X	X	X	X	X	X
		5A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		60	1	00-5F	AC2 CONTROLLER NUMBER	0...95	X	X	X	X	X	X	X	X	X	X	X	X	X
TOTAL SIZE			31																

The A/D PART Parameter cannot be reset to its factory setting with XG SYSTEM ON.

MIDI Parameter Change table (DRUM SETUP)

CVP-203	O
CVP-205	O
CVP-207	O
CVP-209	O
PSR-1000	O
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
3n	rr	00	1	00-7F	PITCH COARSE	-64...0...+63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	O	X
		01	1	00-7F	PITCH FINE	-64...0...+63[cent]	40	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	O	X
		02	1	00-7F	LEVEL	0...127	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	O	X
		03	1	00-7F	ALTERNATE GROUP	OFF, 1...127	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	X	X	O	X
		04	1	00-7F	PAN	RND, L63...C...R63	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	O	X
		05	1	00-7F	REVERB SEND	0...127	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	O	X
		06	1	00-7F	CHORUS SEND	0...127	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	O	X
		07	1	00-7F	VARIATION SEND	0...127	7F	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	O	X
		08	1	00-01	KEY ASSIGN	SINGLE, MULTI	00	O (Drum only)	X	X	O	X	X	X	X	X	X	X	X	O	X
		09	1	00-01	Rcv NOTE OFF	OFF, ON	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	X	X	O	X
		0A	1	00-01	Rcv NOTE ON	OFF, ON	01	O (Drum only)	X	X	O	X	X	X	X	X	X	X	X	O	X
		0B	1	00-7F	LOW PASS FILTER CUTOFF FREQUENCY	-64...0...+63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	O	X
		0C	1	00-7F	LOW PASS FILTER RESONANCE	-64...0...+63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	O	X
		0D	1	00-7F	EG ATTACK RATE	-64...0...+63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	O	X
		0E	1	00-7F	EG DECAY1 RATE	-64...0...+63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	O	X
		0F	1	00-7F	EG DECAY2 RATE	-64...0...+63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	O	X
TOTAL SIZE			10																	

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		20	1	00-7F	EQ BASS GAIN	-12...+12[dB]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		21	1	00-7F	EQ TREBLE GAIN	-12...+12[dB]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		22	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		23	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		24	1	04-28	EQ BASS FREQUENCY	32...2.0k[Hz]	0C	X	X	X	X	X	X	X	X	X	X	X	X	X
		25	1	1C-3A	EQ TREBLE FREQUENCY	500...16.0k[Hz]	36	X	X	X	X	X	X	X	X	X	X	X	X	X
		26	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		27	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		28	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		29	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL SIZE				0E																

n: Drum Setup Number (0-1)
rr: note number (0D-5B)

In the following cases, the CVP/PSR will initialize all Drum Setups.
XG SYSTEM ON received
GM SYSTEM ON received
DRUM SETUP RESET received (only when in XG mode)

[Note]
When a part to which a Drum Setup is assigned receives a program change, the assigned Drum Setup will be initialized.
If the same Drum Setup is assigned to two or more parts, changes in Drum Setup parameters (including program changes) will apply to all parts to which it is assigned.

SYSTEM EXCLUSIVE MESSAGES

* Not received when the Receive System Exclusive Message is set to off.
* Not transmitted when the Transmit System Exclusive Message is set to on.

System Exclusive Messages

O: available

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Section Control	F0 43 7E 00 ss dd F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000000 00 = 0sssssss ss = Switch No. 00H INTRO A 01H INTRO B 02H INTRO C 03H INTRO D 08H MAIN A 09H MAIN B 0AH MAIN C 0BH MAIN D 10H FILL IN AA 11H FILL IN BB 12H FILL IN CC 13H FILL IN DD 18H BREAK FILL 20H ENDING A 21H ENDING B 22H ENDING C 23H ENDING D 0ddddddd dd = Switch On/Off 00H (Off) 7HF (On) 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	O (Section LED)	O (Section Sw)	X	X	O	X
Tempo Control	F0 43 7E 01 t4 t3 t2 t1 F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000001 01 = 0ttttttt t4 = tempo4 0ttttttt t3 = tempo3 0ttttttt t2 = tempo2 0ttttttt t1 = tempo1 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	O (Tempo indication)	O (Tempo Sw)	X	X	O	X
Chord Control	F0 43 7E tt d1 d2 d3 d4 F7 Type 1 (tt=2) 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000010 02 = type 1 0ddddddd d1 = chord root(cr) 0ddddddd d2 = chord type(ct) 0ddddddd d3 = bass note(bn) 0ddddddd d4 = bass type(bt) 11110111 F7 = End of Exclusive cr: Chord Root 0fffnnnn fff: b or #, nnn: note(root) 0000nnnn 0n bbb 0fff0000 x0 reserved 0001nnnn 1n bb 0fff0001 x1 C 0010nnnn 2n b 0fff0010 x2 D 0011nnnn 3n natural 0fff0011 x3 E 0100nnnn 4n # 0fff0100 x4 F 0101nnnn 5n ## 0fff0101 x5 G 0110nnnn 6n ### 0fff0110 x6 A 0fff0111 x7 B ct: Chord Type 0 - 34,127 00000000 00 0 Maj 00010010 12 18 dim7 00000001 01 1 Maj6 00010011 13 19 7th 00000010 02 2 Maj7 00010100 14 20 7sus4 00000011 03 3 Maj7(#11) 00010101 15 21 7b5 00000100 04 4 Maj(9) 00010110 16 22 7(9) 00000101 05 5 Maj7(9) 00010111 17 23 7(#11) 00000110 06 6 Maj6(9) 00011000 18 24 7(13) 00000111 07 7 aug 00011001 19 25 7(b9) 00001000 08 8 min 00011010 1A 26 7(b13) 00001001 09 9 min6 00011011 1B 27 7(#9) 00001010 0A 10 min7 00011100 1C 28 Maj7aug 00001011 0B 11 min7b5 00011101 1D 29 7aug 00001100 0C 12 min(9) 00011110 1E 30 1+8 00001101 0D 13 min7(9) 00011111 1F 31 1+5 00001110 0E 14 min7(11) 00100000 20 32 sus4 00001111 0F 15 minMaj7 00100001 21 33 1+2+5 00010000 10 16 minMaj7(9) 00100010 22 34 cc 00010001 11 17 dim bn : On Bass Chord Same as Chord root 127:No bass chord bt : Bass Chord Same as Chord type 127:No bass chord * Not received when Receive Chord System Exclusive Message is set to off. * Not transmitted when Transmit Chord System Exclusive Message is set to on.	-	-	-	-	-	-	-	-	O (Chord indication)	O (Keyboard)	X	X	O	X
	Type2 (tt=3) 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000011 03 = type 2 0ddddddd dd = note1 0ddddddd dd = note2 0ddddddd dd = note3 : : 0ddddddd dd = ... note10 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	O (Chord indication)	X	X	X	X	X

System Exclusive Messages (Universal Realtime messages)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Master Volume	F0 7F 7F 04 01 ll mm F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 01111111 7F = ID of target device 00000100 04 = Sub-ID #1=Device Control Message 00000001 01 = Sub-ID #2=Master Volume 0lllllll ll = Volume LSB 0mmmmmmm mm= Volume MSB 11110111 F7 = End of Exclusive or F0 7F XN 04 01 ll mm F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxnnnn XN = When N is received N=0-F, whichever is received. X=ignored 00000100 04 = Sub-ID #1=Device Control Message 00000001 01 = Sub-ID #2=Master Volume 0lllllll ll = Volume LSB 0mmmmmmm mm= Volume MSB 11110111 F7 = End of Exclusive	O	-	O	O	X	X	X	X	X	X	X	X	X (Output as XG Master Volume)	X

System Exclusive Messages (Universal Non Realtime messages)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
General MIDI System On	F0 7E 7F 09 01 F7 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 01111111 7F = ID of target device 00001001 09 = Sub-ID #1=General MIDI Message 00000001 01 = Sub-ID #2=General MIDI On 11110111 F7 = End of Exclusive or F0 7E XN 09 01 F7 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 0xxxnnnn XN = When N is received N=0-F,whichever is received. X=ignored 00001001 09 = Sub-ID #1=General MIDI Message 00000001 01 = Sub-ID #2=General MIDI On 11110111 F7 = End of Exclusive	O	-	O	O	X	X	X	O	O (Mixing Console)	X	X	X	O	X

System Exclusive Messages (XG)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
XG Parameter Change	F0 43 1n 4C hh mm ll dd ... F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0001nnnn 1n = Device Number n=always 0 (when transmit), n=0-F (when recieve) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 0lllllll ll = Address Low 0ddddddd dd = Data : : 11110111 F7 = End of Exclusive	*Refer to Parameter Change Table			*Refer to Parameter Change Table					-	*Refer to Parameter Change Table				O (When receiving the XG Parameter Request)
XG Bulk Dump	F0 43 0n 4C aa bb hh mm ll dd ... dd cc F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0000nnnn 0n = Device Number n=always 0 (when transmit), n=0-F (when recieve) 01001100 4C = Model ID 0aaaaaaa aa = Byte Count MSB 0bbbbbbb bb = Byte Count LSB 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 0lllllll ll = Address Low 0ddddddd dd = Data : : 0ddddddd dd = Data 0ccccccc cc = Checksum 11110111 F7 = End of Exclusive	*Refer to Parameter Change Table			*Refer to Parameter Change Table					-	X	X	X	X (Output as Parameter Change)	O (When receiving the XG Dump Request)
XG Parameter Request	F0 43 3n 4C hh ll F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0011nnnn 3n = Device Number n=always 0 (when transmit), n=0-F (when recieve) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 0lllllll ll = Address Low 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	O (-)	X	X	X	X	X
XG Dump Request	F0 43 2n 4C hh mm ll F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0010nnnn 2n = Device Number n=always 0 (when transmit), n=0-F (when recieve) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 0lllllll ll = Address Low 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	O (-)	X	X	X	X	X

System Exclusive Messages (Clavinova compliance)

```
11110000 F0  = Exclusive status
01000011 43  = YAMAHA ID
01110011 73  = Clavinova ID
    :          :
11110111 F7  = End of Exclusive
```

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Internal Clock	F0 43 73 01 02 F7 00000001 01 = Model ID (Clavinova common ID) 00000010 02 = Internal Clock Substatus	-	-	-	X	X	X	X	X	O (Function)	X	X	X	X	X
External Clock	F0 43 73 01 03 F7 00000001 01 = Model ID (Clavinova common ID) 00000011 03 = External Clock Substatus	-	-	-	X	X	X	X	X	O (Function)	X	X	X	X	X
Organ Flutes data Bulk Dump	F0 43 73 01 06 0B 00 00 01 06 0n [Bulk Data] sum F7 01H Model ID (Clavinova common ID) 06H Bulk ID 0BH Bulk No. (Organ Flutes data Bulk Dump) 00H, 00H, 01H, 06H Data Length :16bytes 1st Channel No. 0nH 2nd Footage [1'] 00 - mmH mm : maximum 3rd [1 1/3'] 00 - mmH 4th [1 3/5'] 00 - mmH (*CVP-209 only) 5th [2'] 00 - mmH 6th [2 2/3'] 00 - mmH 7th [4'] 00 - mmH 8th [5 1/3'] 00 - mmH 9th [8'] 00 - mmH 10th [16'] 00 - mmH 11th [Attack 2'] 00 - mmH 12th [Attack 2 2/3'] 00 - mmH 13th [Attack 4'] 00 - mmH 14th Settings [Attack Length] 00 - mmH 15th [Response] 00 - mmH 16th [Attack Mode] 00 - 01H 00H: Each, 01H: First 17th [Wave Variation] 00 - 01H 00H: Sine, 01H: Tone Wheel 18th [Volume] 01 - vvH vv: maximum 19th [aux] 00H 20th [aux] 00H 21th [aux] 00H 22th [aux] 00H sum Check Sum = 0-sum(BULK DATA) CVP-203 X - - CVP-205 X - - CVP-207 O mm=7 vv=8 CVP-209 O mm=8 vv=9 PSR-1000 X - - PSR-2000 O mm=7 vv=8	O (Organ Flute)	X	X	O	O	X	X	O	O (Sound Creator)	O (Sound Creator)	X	X	O	X
Natural Voice Reverb Type	F0 43 73 01 31 0n 00 dd F7 00000001 01 = Model ID (Clavinova common ID) 00110001 31 = Natural Voice Exclusive data 0000nnnn 0n = Channel No. (Always 00) 00000000 00 = Natural Voice Reverb Type Substatus 0ddddddd dd = data (0:Room, 1:Hall1, 2:Hall2, 3:Stage, 4:Plate) CVP-203 O CVP-205 O CVP-207 O CVP-209 O PSR-1000 X PSR-2000 X	X	X	O	O					O (Sound Creator)	O (Sound Creator)	X	O	O	X
Natural Voice Chorus Type	F0 43 73 01 31 0n 01 dd F7 00000001 01 = Model ID (Clavinova common ID) 00110001 31 = Natural Voice Exclusive data 0000nnnn 0n = Channel No. (Always 00) 00000001 01 = Natural Voice Chorus Type Substatus 0ddddddd dd = data (0:Chorus,1:Celeste, 2:Flanger) CVP-203 O CVP-205 O CVP-207 O CVP-209 O PSR-1000 X PSR-2000 X	X	X	O	O					O (Sound Creator)	O (Sound Creator)	X	O	O	X
Natural Voice Variation Type	F0 43 73 01 31 0n 02 dd F7 00000001 01 = Model ID (Clavinova common ID) 00110001 31 = Natural Voice Exclusive data 0000nnnn 0n = Channel No. (Always 00) 00000010 02 = Natural Voice Variation Type Substatus 0ddddddd dd = data (00H:DelayLCR, 01H:DelayLR, 02H:Echo, 03H:CrossDelay, 04H:Symphonic, 05H:RotarySpeaker, 06H:Tremolo, 07H:VibeRotor, 08H:AutoPan, 09H:Phaser, 0AH:AutoWah, 0BH:SoundBoardRev, 0CH:Off) CVP-203 O CVP-205 O CVP-207 O CVP-209 O PSR-1000 X PSR-2000 X	X	X	O	O					O (Sound Creator)	O (Sound Creator)	X	O	O	X
Natural Voice Vibe Rotor Control	F0 43 73 01 31 0n 08 dd F7 00000001 01 = Model ID (Clavinova common ID) 00110001 31 = Natural Voice Exclusive data 0000nnnn 0n = Channel No. (Always 00) 00001000 08 = Natural Voice Vibe Rotor Control Substatus 0ddddddd dd = data (00H:Off, 7FH:On) CVP-203 O CVP-205 O CVP-207 O CVP-209 O PSR-1000 X PSR-2000 X	X	X	O (If the Type is set to Vibe Rotor)	O					O (Sound Creator)	O (Sound Creator)	X	X	O	X

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Natural Voice Variation Send Level	F0 43 73 01 50 11 0n 00 dd F7 00000001 01 = Model ID (Clavinova common ID) 01010000 50 = Common Model data 00010001 11 = Song Track related 0000nnnn 0n = Channel No. 00000000 00 = Natural Voice Variation Send Level Substatus 0ddddddd dd = data (00H–7FH) CVP-203 O CVP-205 O CVP-207 O CVP-209 O PSR-1000 X PSR-2000 X	X	X	O	O	O	X	O	O	O (Mixing Console)	O (Mixing Console)	X	O	O	X
Natural Voice Dry Level	F0 43 73 01 50 11 0n 01 dd F7 00000001 01 = Model ID (Clavinova common ID) 01010000 50 = Common Model data 00010001 11 = Song Track related 0000nnnn 0n = Channel No. 00000001 01 = Natural Voice Dry Level Substatus 0ddddddd dd = data (00H–7FH) CVP-203 O CVP-205 O CVP-207 O CVP-209 O PSR-1000 X PSR-2000 X	X	X	O	O	O	X	O	O	O (Mixing Console)	O (Mixing Console)	X	O	O	X

System Exclusive Messages Special Operators

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Volume & Expression & Pan Realtime control off (Voice Reserve)	F0 43 73 01 11 0n 45 dd F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. 01000101 45 = Volume & Expression Control No. Substatus 0ddddddd dd = data (00H : Realtime On, 7FH : Realtime Off) 11110111 F7 = End of Exclusive	O	-	O	O	X	X	X	X	X	X	X	X	O	X
MIDI Key LED Mode On Off	F0 43 73 01 11 0n 47 dd F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. 01000111 47 = MIDI Key LED Mode On Off Substatus 0ddddddd dd = data 00H : Key LED Mode Off 01H : Key LED Mode On+no notes sound 02H : Key LED Mode On+notes sound 11110111 F7 = End of Exclusive When Key LED Mode is set to On, key note on messages via designated channnel turns the LED on/off. 9n, note, Vel=0 : off 9n, note, Vel=1 : flush 9n, note, Vel=2~: on When selecting whether notes sound or not, you should turn off the Key LED Mode once. CVP-203 O CVP-205 O CVP-207 O CVP-209 O PSR-1000 X PSR-2000 X	-	-	-	-	-	-	-	-	O (Keyboard LED lights when receiving the note messages)	X	X	X	X	X

System Exclusive Messages Special Operators (Vocal Harmony Additional Parameters)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Vocal Harmony Pitch to Note ON/OFF	F0 43 73 01 11 0n 50 00 ss F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. (Always 00) 01010000 50 = Vocal Harmony Additional Parameter Control No. 00000000 00 = Pitch to Note Parameter No. 0ddddddd dd = data (00H : Off, 01H : On) 11110111 F7 = End of Exclusive CVP-203 X CVP-205 X CVP-207 O CVP-209 O PSR-1000 X PSR-2000 O	X	O	X	X	X	X	X	X	O (Vocal Harmony Edit)	O (Vocal Harmony Edit)	X	X	O	X
Vocal Harmony Pitch to Note Part	F0 43 73 01 11 00 50 01 ss F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. (Always 00) 01010000 50 = Vocal Harmony Additional Parameter Control No. 00000001 01 = Pitch to Note Part Parameter No. 0ddddddd dd = data 00H : Main 01H : Layer 02H : Left 04H : Upper 11110111 F7 = End of Exclusive CVP-203 X CVP-205 X CVP-207 O CVP-209 O PSR-1000 X PSR-2000 O	X	O	X	X	X	X	X	X	O (Vocal Harmony Edit)	O (Vocal Harmony Edit)	X	X	O	X
Vocal Harmony Vocoder Part (Harmony Part (Panel))	F0 43 73 01 11 00 50 10 ss F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. (Always 00) 01010000 50 = Vocal Harmony Additional Parameter Control No. 00010000 10 = Vocoder Part Parameter No. 0ddddddd dd = data 00H : Off 01H : Upper 02H : Lower 11110111 F7 = End of Exclusive CVP-203 X CVP-205 X CVP-207 O CVP-209 O PSR-1000 X PSR-2000 O	X	O	X	X	X	X	X	X	O (Mic Setting)	O (Mic Setting)	X	X	O	X

System Exclusive Messages (Others)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
MIDI Master Tuning	F0 43 1n 27 30 00 00 mm ll cc F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0001nnnn 1n n= always 0(when transmit), n=0-F(when receive) 00100111 27 = Model ID of TG100 00110000 30 = Address High 00000000 00 = Address Mid 00000000 00 = Address Low 0000mmmm 0m = Master Tune MSB 0000llll 0l = Master Tune LSB 0ccccccc cc = don't care 11110111 F7 = End of Exclusive	O	X	O	O					O (Function)	X	X	X	X	X

Song System Exclusive Message List / Liste der System-Exclusive-Meldungen der Songs / Liste des messages exclusifs au système de morceaux / Lista de mensajes exclusivos del sistema de canciones

Data Format	Parameter	Description
Guide		
F0 43 73 01 1F 00 cc dd F7	Guide Mode	cc = Part Select No 00H: Right=ON, Left=ON 01H: Rigth=OFF, Left=ON 02H: Right=ON, Left=OFF 03H: Right=OFF, Left=OFF dd = Mode 00H: Guide OFF, 01H: Next Note, 02H: Any Key, 03H: Karao Key, 04H: Vocal CueTime
F0 43 73 01 21 00 00 mm F7	Guide Lamp Timing	00H=Next, 01H/02H=Just
Panel Setting		
F0 43 73 01 22 00 0n mm ll pp F7	Panel Program Change	mm=Bank Select MSB, ll=Bank Select LSB, nn=Program Change
F0 43 73 01 22 01 0n vv F7	Panel Voice Volume	00H~07FH
F0 43 73 01 22 02 0n vv F7	Panel Voice Reverb Depth	00H~07FH
F0 43 73 01 22 03 0n vv F7	Panel Voice Effect Depth	00H~07FH
Score		
F0 43 73 01 50 12 00 dd F7	Left Part indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 01 dd F7	Right Part indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 02 dd F7	Lyrics indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 03 dd F7	Chord indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 04 dd F7	N.Name indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 05 dd F7	Size designation	00H: SMALL, 01H: MIDDLE, 02H: LARGE, 03H: Xlarge
F0 43 73 01 50 12 06 dd F7	Left Ch	00H~0FH=CH, 7EH=OFF, 7FH=AUTO
F0 43 73 01 50 12 07 dd F7	Right Ch	00H~0FH=CH, 7EH=OFF, 7FH=AUTO
F0 43 73 01 50 12 08 dd F7	Quantize triplet On/Off	00H: Triplet OFF, 7FH: Triplet ON
F0 43 73 01 50 12 09 dd F7	Quantize	00H: quarter, 01H: eighth, 02H: sixteenth, 03H: thirty-second
F0 43 73 01 50 12 0A dd F7	NoteName	00H: ABC, 01H: FixedDo, 02H: MovableDo
F0 43 73 01 50 12 0B dd F7	Color Note	00H: OFF, 7FH: ON
Style		
F0 43 73 01 11 00 16 dd dd F7	Style No.	dd dd=StyleNo.
F0 43 73 01 51 05 00 00 08 Rhy1 Rhy2 Bass Chd1 Chd2 Pad Phr1 Phr2	Style Part On / Off	00H: OFF, 01H:ON
F0 43 73 01 51 00 00 00 03 10 00 dd F7	ACMP SPLIT POINT	00H~7FH

Song Meta Event List / Liste der Meta-Events der Songs / Liste des méta-événements des morceaux / Lista de meta-eventos de canciones

Data Format	Parameter	Description
SMF META Event		
FF 01 len [Data]	TEXT	len=Data length, [Data]=Text data
FF 02 len [Data]	Copyright	len=Data length, [Data]=Copyright data
FF 03 len [Data]	Sequence Name	len=Data length, [Data]=Sequence Name
FF 05 len [Data]	Lyrics	len=Data length, [Data]=Lyrics data
FF 2F 00	End Of Track	
FF 51 03 t1 t2 t3	Set Tempo	t1 t2 t3 = 01D4C0H~B71B00 (5~500)
FF 58 04 nn dd cc bb	Beat (Time signature)	nn =Denominator (2^n), dd=Numerator, CC=MIDI clock per metronome click, dd=Number of thirty-second notes in MIDI quarter note
FF 59 02 sf mi	Key Signature	sf=-7~7 (7♭~7♯) mi=0:Major key, 1:Minor key
YAMAHA META Event		
FF 7F 06 43 73 0A 00 04 dd	Start Measure Number	00H:Start from the first measure, 01H: Start from the second measure
FF 7F 15 43 73 0A 00 05 tr1 tr2 ... tr16	Track Information	"O": Off, "K": Keyboard, "V": Vocal Harmony, "Z": Other
FF 7F 15 43 73 0A 00 06 tr1 tr2 ... tr16	Offset Volume	0~FFH
FF 7F 07 43 73 0A 00 07 dd	Song Offset Measure	-100~-1, 1~100
FF 7F len 43 73 0C 00 [Data]	Style Name	len=Data length, [Data]=Style Name
FF 7F len 43 73 0D 00 [Data]	Song OTS	len=Data length, [Data]=OTS Data
YAMAHA XF META Event		
FF 7F 07 43 7B 01 cr ct bn bt	Chord Name	Refer to "Chord Control" in the MIDI Data Format (System Exclusive Messages)
FF 7F 05 43 7B 03 dd 08	Phrase Mark	See below
FF 7F 04 43 7B 04 dd	Max Phrase Number	01H~7FH
FF 7F 05 43 7B 0C rr ll	Guide Track Flag	rr=Melody Track 1 Ch, ll=Melody Track 2 Ch
FF 7F len 43 7B 21 00 pp [Data]	Lyrics Bitmap	pp=Display type 00H: Center 01H: Tile len=Data length, [Data]=File Path

[Phrase mark]

```
FF 7F 05 43 7B 03 xx 08    Phrase mark

    xx    Phrase mark    0hfccccc

        bit6(h)
            0:Right, 1:Left   Right hand/Left hand
        bit5(f)
            0:Channel available, 1:Channel not available
            Flag for whether channel information (bit 4 - 0) is valid or not
            Phrases common to all channels assigned to 1
        bit4-0(ccccc)
            CH(0:1ch~31:32ch) Channel information whose phrase mark is available
```

YAMAHA [Portable Keyboard]
Model PSR-1000/2000 MIDI Implementation Chart

Date : 25,Jun 2001
Version : 1.00

Function...		Transmitted	Recognized	Remarks
Basic	Default	1 - 16	1 - 16	
Channel	Changed	1 - 16	1 - 16	
Mode	Default	3	3	
	Messages	×	×	
	Altered	**********	×	
Note Number : True voice		0 - 127 **********	0 - 127 0 - 127	
Velocity	Note ON	○ 9nH,v=1-127	○ 9nH,v=1-127	
	Note OFF	× 9nH,v=0	×	
After	Key's	×	×	
Touch	Ch's	×	○	
Pitch Bend		○	○ 0 - 24 semi	
Control	0,32	○	○	Bank Select
Change	1,5,7,10,11	○	○	
	6,38	○	○	Data Entry
	64,65,66,67	○	○	
	71-74	○	○	Sound Controller
	84	○	○	Portament Cntrl
	91,93,94	○	○	Effect Depth
	96-97	×	○	RPN Inc,Dec
	98-99	○	○	NRPN LSB,MSB
	100-101	○	○	RPN LSB,MSB
	120	×	○	All Sound Off
	121	×	○	Reset All Cntrls
Prog Change : True #		○ 0 - 127 **********	○ 0 - 127	
System Exclusive		○	○	
Common	: Song Pos.	×	×	
	: Song Sel.	×	×	
	: Tune	×	×	
System	: Clock	○	○	
Real Time	: Commands	○	○	
	: All Sound Off	×	○ (120,126-127)	
Aux	: Reset All Cntrls	×	○ (121)	
	: Local ON/OFF	×	×	
Mes-	: All Notes OFF	×	○ (123-125)	
sages	: Active Sense	○	○	
	: Reset	×	×	
Notes:				

Mode 1 : OMNI ON , POLY
Mode 2 : OMNI ON ,MONO
Mode 3 : OMNI OFF, POLY
Mode 4 : OMNI OFF,MONO

○ : Yes
× : No

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